Appendix 3.3-1

Air Quality, Health Risk Analysis, and Greenhouse Gas Emissions Technical Report

Berkeley Space Center at NASA Research Park

Air Quality, Health Risk Analysis, and Greenhouse Gas Emissions Technical Report

Prepared for:

University of California, Berkeley

National Aeronautics and Space Administration
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Acronyms and Abbreviations

ABAG	Association of Bay Area Governments
ACF	Advanced Clean Fleets
ACM	asbestos-containing materials
ACT	Advanced Clean Trucks
ACTM	Airborne Toxic Control Measures
AERMOD	American Meteorological Society/EPA Regulatory Model
AT	averaging time
BMP	best management practice
BTEX	benzene, toluene, ethylbenzene and xylenes
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
CAFE	corporate average fuel economy
CARB	California Air Resources Board
CARE	Community Air Risk Evaluation
CEC	California Energy Commission
CEQ	Council on Environmental Quality
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
CMAQ	Community Multiscale Air Quality
CMP	congestion management program
CRA	Congressional Review Act
CUP	Central Utility Plant
DPM	diesel particulate matter
EMFAC	EMission FACtors
EPA	U.S. Environmental Protection Agency
EV	electric vehicle
GHG	greenhouse gas
GWP	global warming potential
HAP	hazardous air pollutant
HRA	health risk assessment
HVAC	heating, ventilation, and air-conditioning
IC	institutional controls
IPCC	Intergovernmental Panel on Climate Change
LBNL	Lawrence Berkeley National Laboratory
LCFS	low-carbon fuel standard
LEED	Leadership in Energy and Environmental Design
MACT	Maximum Achievable Control Technology
MEW	Middlefield-Ellis-Whisman
MTC	Metropolitan Transportation Commission
NAAQS	National Ambient Air Quality Standards

NADP	NASA Ames Development Plan
NCP	National Contingency Plan
NED	National Elevation Dataset
NEPA	National Environmental Policy Act
NESHAP	National Emission Standards for Hazardous Air Pollutants
NHTSA	National Highway Traffic Safety Administration
NOA	naturally occurring asbestos
OEHHA	Office of Environmental Health Hazard Assessment
PG&E	Pacific Gas and Electric
PGM	photochemical grid models
PM	particulate matter
R&D	research and development
RAST	Risk Assessment Standalone Tool
ROD	Record of Decision
ROG	reactive organic gas
RPS	Renewables Portfolio Standard
RTP	Regional Transportation Plan
SCAQMD	South Coast Air Quality Management District
SCS	Sustainable Community Strategy
SFBAAB	San Francisco Bay Area Air Basin
SIP	State Implementation Plan
SJVAB	San Joaquin Valley Air Basin
SJVAPCD	San Joaquin Valley Air Pollution Control District
SLCP	short-lived climate pollutants
SSD	sub-slab depressurization
SSDS	sub-slab depressurization system
tac	toxic air contaminant
TDM	transportation demand management
TPA	Transit Priority Area
TRU	transport refrigeration unit
UC	University of California
UTM	Universal Transverse Mercator
VMT	vehicle miles traveled
VOC	volatile organic compound
VTA	Valley Transportation Authority
WRF	Water Reuse Facility
ZEV	zero-emission vehicle

Executive Summary

Moffett Partners, LLC (Project Proponent), a joint venture of The Regents of the University of California (UC Regents) and SKSP NRP, LLC, is proposing a master-planned mixed-use academic and research project, referred to as the Berkeley Space Center at the National Aeronautics and Space Administration (NASA) Research Park (NRP) (proposed project/proposed action).[1] The Project Proponent will require authorization from the UC Regents to proceed with the proposed project under the California Environmental Quality Act (CEQA), and NASA's approval to proceed following analysis consistent with the National Environmental Policy Act (NEPA). NASA is the NEPA Lead Agency for the proposed action and, as the Authority Having Jurisdiction, NASA would issue building permits and monitor applicable mitigation measures related to development and operation of the proposed project. The UC Regents is the CEQA Lead Agency for the proposed project and would provide authorization before the proposed action is submitted for NASA's approval.[2]

The proposed project is located at NASA's Ames Research Center (NASA ARC) on an approximately 39-acre project site (Project Site), along with approximately 6 acres of off-site areas (Off-Site Areas) where utility improvements and building demolition would take place. Together, the Project Site and Off-Site Areas comprise the approximate 45-acre limits of work (Limits of Work).

The University of California, Berkeley (UC Berkeley) (on behalf of UC Regents) and NASA are preparing a joint environmental impact report/environmental impact statement (joint EIR/EIS) for the proposed project that evaluates the following:[3]

- CEQA Proposed Project (NEPA Build Alternative 1)
- CEQA Reduced Density Alternative (NEPA Build Alternative 2)
- CEQA Reduced Height Alternative
- CEQA No-Project/Existing Conditions Alternative
- NEPA No-Action Alternative

The Project Proponent has identified one variant/sub-alternative that includes certain project features that are different from those of the CEQA Proposed Project and CEQA Reduced Density Alternative: the No Student/Faculty Housing Variant/Sub-Alternative (Variant).[4] In addition, the CEQA Proposed Project could also include a Water Reuse Facility (WRF) Option or a Central Utility Plant (CUP) Option.[5]

This technical report evaluates the potential for short- and long-term air quality impacts, including health risks, and greenhouse gas (GHG) impacts associated with construction and operation of the proposed project. In addition, this report documents the assumptions, methodologies, and findings used to support the impact analysis. The report was prepared in accordance with the Bay Area Air District (Air District) 2023 *CEQA Air Quality Guidelines*.

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1 Throughout this report, *proposed project* refers to both the proposed project (under the California Environmental Quality Act) and the proposed action (under the National Environmental Policy Act).

2 UC Regents is a legal entity that includes all of the University of California campuses.

3 Throughout this report, the discussion of the CEQA Proposed Project and the CEQA Reduced Density Alternative also applies to the corresponding Build Alternative under NEPA.

4 Throughout this report, *Variant* refers to both the variant (under CEQA) and the Sub-Alternative (under NEPA).

5 Under the Water Reuse Facility Option, portions of the non-potable supply would be provided on-site rather than by Mountain View. The Central Utility Plant Option would provide a centralized heating and cooling system for all buildings instead of building-by-building heating, ventilation, and air-conditioning (HVAC) systems.

Air Quality Findings

Emissions Generation

Criteria pollutants make up a group of six common air pollutants for which the federal government and the State of California (State) have set National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS), respectively. The primary criteria pollutants generated by the proposed project would be ozone precursors (nitrogen oxides [NO_X] and reactive organic gas [ROG]), coarse particulate matter (PM_{10}), fine particulate matter ($PM_{2.5}$), and sulfur dioxide (SO_2). This technical report quantifies the emissions that would be generated during construction of the CEQA Proposed Project with or without the Variant or WRF or CUP Options and during construction of the CEQA Reduced Density Alternative with or without the Variant. The report also quantifies emissions that would be generated during operations at full-build conditions and during concurrent construction and partial operational activities. The air quality impact findings for each of these three phases (construction, full-build operations, and concurrent construction and partial operations) for the CEQA Proposed Project and CEQA Reduced Density Alternative are summarized in this section.

Construction

For the analysis of impacts under CEQA, construction of the CEQA Proposed Project with or without the Variant or WRF or CUP Options or the CEQA Reduced Density Alternative with or without Variant would result in emissions of NO_X that would exceed the Air District's threshold in all years except 2030, 2036, and 2039. The Air District also has a compliance threshold for fugitive dust where uncontrolled emissions would affect air quality. There would be no exceedances of the Air District's ROG, PM_{10} exhaust, or $PM_{2.5}$ exhaust thresholds. There would likewise be no exceedances of the federal *de minimis* levels for the analysis of effects under NEPA.

Total construction emissions would be greatest under the CEQA Proposed Project with the WRF or CUP Options due to the additional equipment and vehicles required to construct the additional infrastructure, although maximum average daily emissions would be same as the CEQA Proposed Project. Compared to the CEQA Proposed Project, emissions would be slightly reduced during some construction years under the CEQA Reduced Density Alternative. The amount of construction emissions under the CEQA Proposed Project or the CEQA Reduced Density Alternative with or without the Variant would be the same, except for ROG emissions during architectural coating applications, which would be slightly reduced with the Variant.

Measures have been identified to control fugitive dust and mitigate the construction NO_X impact on air quality under the CEQA Proposed Project with or without the Variant or WRF or CUP Options and for CEQA Reduced Density Alternative with or without the Variant. Mitigation Measure AQ-1 would require electrification of lifts, welders, air compressors, and mini-excavators. These types of equipment are commonly electrified and used primarily during the "vertical construction" and "architectural coatings" sub-phases, which contribute substantially to unmitigated NO_X emissions. Electrified equipment does not generate criteria pollutants directly. Mitigation Measure AQ-1 further specifies that all other types of off-road equipment with diesel engines greater than 25 horsepower must use Tier 4 Final engines. Off-road equipment with engines less than 25 horsepower will be required to use renewable diesel fuel. Mitigation Measure

AQ-2 would minimize on-road exhaust emissions (including NO_X) through performance standards regarding the use of zero-emission vehicles (ZEVs). Mitigation Measure AQ-3 requires compliance with Air District basic control measures for fugitive dust. Actions undertaken pursuant to Mitigation Measure HAZ-1 to comply with the Environmental Issues Management Plan (EIMP) would likewise help minimize dust. Although unmitigated ROG emissions are not predicted to exceed the Air District's threshold, Mitigation Measure AQ-4 would also be implemented to reduce ozone precursors through the use of paints with a low level of volatile organic compounds (VOCs). Mitigation Measure GHG-1, which is required to address GHG impacts, would further reduce criteria pollutant emissions generated during construction.

With implementation of these measures, mitigated construction fugitive dust and NO_X emissions for the CEQA Proposed Project with or without the Variant or WRF or CUP Options and for the CEQA Reduced Density Alternative with or without the Variant would not exceed the Air District's thresholds.

Operations

Operational net emissions (from existing conditions for the analysis of impacts under CEQA) under the CEQA Proposed Project with or without the Variant or WRF or CUP Options or under the CEQA Reduced Density Alternative with or without the Variant would exceed the Air District's daily and annual thresholds for ROG and PM_{10}. There would be no exceedances of the Air District's NO_X or $PM_{2.5}$ thresholds. There would likewise be no exceedances of the federal *de minimis* levels (relative to the NEPA No-Action Alternative) for the analysis of effects under NEPA.

Emissions would be greatest under the CEQA Proposed Project with the Variant primarily due to increased vehicle miles traveled (VMT) and trips associated with non-residential land uses. Exhaust emissions under the CEQA Proposed Project with the WRF Option or CUP Option would also be slightly greater than under the CEQA Proposed Project due to operation of an additional emergency generator. However, the CUP Option would operate fewer cooling towers, which would reduce PM_{10} and $PM_{2.5}$ emissions compared to emissions under the CEQA Proposed Project. The CEQA Reduced Density Alternative with or without the Variant would result in slightly lower net emissions of all pollutants due to reduced VMT and trip generation, consumer products (area sources), and lab space (fugitive sources).

The project design includes several features that would reduce operational criteria pollutant emissions, including Leadership in Energy and Environmental Design– (LEED-) certified buildings, all-electric buildings, pedestrian circulation improvements, bicycle circulation improvements and bicycle parking, and a project-specific transportation demand management (TDM) plan. However, even with these commitments, exceedances of the Air District's ROG and PM_{10} thresholds would still occur during long-term operations for the CEQA Proposed Project or the CEQA Reduced Density Alternative with or without the Variant.

Mitigation measures have been identified to reduce the operational ROG and PM_{10} air quality impacts under the CEQA Proposed Project with or without the Variant or WRF or CUP Options and under the CEQA Reduced Density Alternative with or without the Variant. Mitigation Measure AQ-5 would require, at a minimum, low-VOC paints and cleaning supplies. Mitigation Measure AQ-6 would require the use of zero-emission landscaping equipment instead of conventional gasoline-fueled counterparts. Mitigation Measure TRAN-1 would require enhancements to the project-specific TDM plan to further reduce the number of trips and VMT. Project design features and Mitigation

Measures AQ-5, AQ-6, and TRAN-1 would reduce ROG and PM_{10} emissions, but emissions under the CEQA Proposed Project with or without the Variant or WRF or CUP Options or under the CEQA Reduced Density Alternative with or without the Variant would still exceed the Air District's thresholds. The project design features and Mitigation Measures AQ-5, AQ-6, and TRAN-1 collectively represent best available control strategies to reduce operational emissions resulting from buildout of a large-scale development project. There is no feasible mitigation beyond the mitigation measures and the project design features to reduce operational ROG and PM_{10} emissions to levels below the Air District's thresholds.

Concurrent Construction and Partial Operations

The analysis assumes buildings would be occupied immediately following construction of each of the four phases. Accordingly, concurrent construction and partial operational activities would occur, resulting in higher average daily and annual emissions than either component when analyzed separately. The analysis indicates that combined construction and net partial operational emissions (from existing conditions for the analysis of impacts under CEQA) would result in exceedances of the Air District's ROG and PM_{10} thresholds during some years of construction,[6] even with implementation of project design features and Mitigation Measures AQ-1 through AQ-6, HAZ-1, GHG-1, and TRAN-1. These exceedances are expected under the CEQA Proposed Project with or without the Variant or WRF or CUP Options or under the CEQA Reduced Density Alternative with or without the Variant. There would be no exceedances of the Air District's NO_X or $PM_{2.5}$ thresholds. There would likewise be no exceedances of the federal *de minimis* levels for the analysis of effects under NEPA.

Mitigation Measure AQ-7 has been identified to mitigate the remaining ROG and PM_{10} impact on air quality during concurrent construction and partial operations under the CEQA Proposed Project with or without the Variant or WRF or CUP Options and under the CEQA Reduced Density Alternative with or without the Variant. The measure requires the Project Proponent to partner with the Air District to offset combined construction and net partial operational ROG and PM_{10} emissions that exceed the Air District's annual thresholds to below 10 tons and 15 tons per year, respectively. As such, Mitigation Measure AQ-7 would reduce ROG and PM_{10} emissions to levels below Air District thresholds.

Odors and Compliance with Air Quality Plans

The CEQA Proposed Project with or without the Variant or WRF or CUP Options and the CEQA Reduced Density Alternative with or without the Variant incorporate all applicable control measures of the 2017 Clean Air Plan and would not disrupt or hinder implementation of any control measures. Although the NEPA analysis finds that the project would support the primary air quality goals of 2017 Clean Air Plan with respect to attainment of federal standards, the CEQA analysis finds that the project could impede protection of regional air quality under State standards even after implementation of mitigation. Both the NEPA and CEQA analyses find that the project would support

[6] Overlapping construction and net partial operational activities under the CEQA Proposed Project with or without the Variant or WRF or CUP Options would result in ROG and PM_{10} emissions that would be above the Air District's thresholds between 2034 and 2039. Overlapping construction and net partial operational activities under the CEQA Reduced Density Alternative with or without the Variant would result in ROG and PM_{10} emissions that would be above the Air District's thresholds in 2038 and 2037, respectively.

regional climate goals but would not support elimination of health disparities, even after implementation of mitigation. Thus, the proposed project would obstruct implementation of the 2017 Clean Air Plan under CEQA (air quality and health risks) and NEPA (health risks). The CEQA Reduced Density Alternative with or without the Variant would also conflict with the climate protect goals of the 2017 Clean Air Plan.

Although minor odors may be generated during construction, as well as operations and maintenance, neither the CEQA Proposed Project with or without the Variant or WRF or CUP Options nor the CEQA Reduced Density Alternative with or without the Variant include significant odor-emitting facilities, such as wastewater treatment facilities, landfills, or refineries.

Health Risk Findings

With respect to the exposure of sensitive receptors to localized carbon monoxide (CO) concentrations, the CEQA Proposed Project with or without the Variant or WRF or CUP Options and the CEQA Reduced Density Alternative with or without the Variant would meet the Air District's CO screening criteria and would not be expected to contribute to any new localized violations of the health-protective NAAQS or CAAQS.

With respect to the exposure of sensitive receptors to toxic air contaminants and localized $PM_{2.5}$ concentrations, construction and concurrent operation of the CEQA Proposed Project with or without the Variant or WRF or CUP Options would result in exceedances of the Air District's project-level cancer risk threshold in health risk assessment (HRA) Scenarios 1, 2, and 4 and exceedances of the Air District's project-level $PM_{2.5}$ concentration threshold in Scenarios 1 through 4 for existing off-site residential receptors. For future on-site worker receptors, there would be exceedances of the project-level cancer risk threshold in Scenarios 2 and 4, and exceedances of the $PM_{2.5}$ threshold in Scenarios 2 through 4. These results include implementation of project design features and Mitigation Measures AQ-1 through AQ-3, HRA-1, HRA-2, HAZ-1, GHG-1, and TRAN-1. The measures would reduce cancer risk to existing off-site receptors to below the threshold, but $PM_{2.5}$ concentrations would remain elevated above the threshold level. Health risks in the vicinity of the Project Site would be below all Air District thresholds for HRA Scenario 5 (operations only).

Greenhouse Gas Findings

GHGs are atmospheric gases that absorb solar radiation and trap heat near the Earth's surface. The primary GHGs generated by the proposed project would be carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), and hydrofluorocarbons (HFCs). This technical report quantifies these emissions in terms of carbon dioxide equivalent (CO_2e) for construction (including combined construction and net partial operational) and full-build operation of the CEQA Proposed Project with or without the Variant or WRF or CUP Options and for the CEQA Reduced Density Alternative with or without Variant.

Construction of CEQA Proposed Project with or without the Variant or WRF or CUP Options or construction of the CEQA Reduced Density Alternative with or without the Variant would result in an increase in GHG emissions. Total construction emissions are estimated to be between 45,998 and 48,150 metric tons of CO_2e, inclusive of air quality mitigation. The CEQA Proposed Project with the CUP Option is estimated to generate the highest emissions; the CEQA Reduced Density Alternative with or without the Variant, would generate the least.

At full buildout, GHG emissions would be generated by new operational sources (e.g., buildings) and changes in VMT relative to existing conditions or the future No-Action Alternative. Tree planting and removal would also alter annual sitewide carbon sequestration. Net (from existing conditions) annual operational emissions are estimated to be between 11,741 and 18,904 metric tons of CO_2e, inclusive of air quality mitigation. The CEQA Proposed Project with the Variant is estimated to generate the highest emissions; the CEQA Reduced Density Alternative without the Variant would generate the least.

The Air District recommends that all projects implement best management practices (BMPs) to reduce construction-generated GHG emissions. The Air District has also identified operational land use design elements for "buildings" and "transportation" to ensure that projects meet their "fair share" contribution of GHG reductions and help the State meet its long-term climate goals (Senate Bill 32 and Assembly Bill 1279).

Consistent with the Air District's recommendations, Mitigation Measures GHG-1, AQ-1, and AQ-2 would be implemented during construction to reduce GHG emissions. These include measures requiring the use of ZEVs and electrifying off-road equipment. The operational design of the project would maximize energy efficiency and resource conservation with all-electric buildings, meet LEED Silver building certification requirements, incorporate passive heating and cooling, and install photovoltaic systems on the roofs of the proposed buildings to generate on-site renewable energy. These design features would be consistent with the Air District's land use design elements for "buildings" and would ensure that the project would not result in the wasteful, inefficient, or unnecessary use of electricity. The project would also meet the California Green Building Standards Code (CALGreen) Tier 2 nonresidential electric-vehicle voluntary requirement and implement a project-specific TDM plan that would reduce trip generation by 22 percent. The project-specific TDM plan would be strengthened by Mitigation Measure TRAN-1.

VMT reductions achieved by Mitigation Measure TRAN-1 for the CEQA Proposed Project with or without the Variant or WRF or CUP Options would be consistent with the Air District's land use design elements for "transportation." Because the CEQA Proposed Project with or without the Variant or WRF or CUP Options would meet the Air District's design elements for "buildings" and "transportation," it would not result in a cumulatively considerable contribution to global climate change or conflict with plans designed to achieve the State's GHG reduction goals. With respect to the CEQA Reduced Density Alternative, Mitigation Measure TRAN-1 would not achieve the required VMT reductions to achieve the regional VMT threshold or the Air District's VMT design element for "transportation". Accordingly, the CEQA Reduced Density Alternative with or without the Variant would result in a cumulatively considerable contribution to global climate change from mobile sources.

Chapter 1
Introduction

Moffett Partners, LLC (Project Proponent), a joint venture of The Regents of the University of California (UC Regents) and SKSP NRP, LLC, is proposing a master-planned mixed-use academic and research project, referred to as the Berkeley Space Center at the National Aeronautics and Space Administration (NASA) Research Park (NRP) (proposed project/proposed action).[7] The Project Proponent will require authorization from the UC Regents to proceed with the proposed project under the California Environmental Quality Act (CEQA), and NASA's approval to proceed following analysis consistent with the National Environmental Policy Act (NEPA). NASA is the NEPA Lead Agency for the proposed action and, as the Authority Having Jurisdiction, NASA would issue building permits and monitor applicable mitigation measures related to development and operation of the proposed project. The UC Regents is the CEQA Lead Agency for the proposed project and would provide authorization before the proposed action is submitted for NASA's approval.[8]

The University of California, Berkeley (UC Berkeley) (on behalf of UC Regents) and NASA are preparing a joint environmental impact report/environmental impact statement (joint EIR/EIS) for the proposed project that evaluates the following:[9]

- CEQA Proposed Project (NEPA Build Alternative 1)
- CEQA Reduced Density Alternative (NEPA Build Alternative 2)
- CEQA Reduced Height Alternative
- CEQA No-Project/Existing Conditions Alternative
- NEPA No-Action Alternative

The Project Proponent has identified one variant/sub-alternative that includes certain project features that are different from those of the CEQA Proposed Project and CEQA Reduced Density Alternative: the No Student/Faculty Housing Variant/Sub-Alternative (Variant).[10] In addition, the CEQA Proposed Project could also include a Water Reuse Facility (WRF) Option or a Central Utility Plant (CUP) Option.[11]

This technical report has been prepared to support UC Berkeley's and NASA's environmental review process and provide information regarding the potential air quality, GHG, and health risk impacts associated with the proposed project. The report characterizes existing conditions and evaluates the potential for short- and long-term air quality, GHG, and health effects associated with construction and operation of the proposed project. In addition, this report documents the assumptions, methodologies, and findings used to support the impact analysis. Where applicable, this report identifies mitigation measures to avoid or minimize specific effects related to air quality, GHG emissions, and health risks.

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7 Throughout this report, *proposed project* refers to both the proposed project (under the California Environmental Quality Act) and the proposed action (under the National Environmental Policy Act).

8 UC Regents is a legal entity that includes all of the University of California campuses.

9 Throughout this report, the discussion of the CEQA Proposed Project and the CEQA Reduced Density Alternative also applies to the corresponding Build Alternative under NEPA.

10 Throughout this report, *Variant* refers to both the Variant (under CEQA) and the Sub-Alternative (under NEPA).

11 Under the Water Reuse Facility Option, portions of the non-potable supply would be provided on-site rather than by Mountain View. The Central Utility Plant Option would provide a centralized heating and cooling system for all buildings instead of building-by-building heating, ventilation, and air-conditioning (HVAC) systems.

1.1 Organization of This Technical Report

The report comprises the following chapters, in addition to this introductory chapter:

- Chapter 2, Project Description, describes the proposed project.
- Chapter 3, Air Quality, describes the existing environmental setting with respect to air quality; introduces the regulatory framework relevant to air quality; describes the methods for evaluating effects, along with thresholds of significance; and assesses the potential for air quality impacts and effects to result from construction and operation of the project.
- Chapter 4, Health Risk Analysis, describes the existing environmental setting with respect to health risks; introduces the regulatory framework relevant to health risks; describes the methods for evaluating effects, along with thresholds of significance; and assesses the potential for health risk impacts and effects to result from construction and operation of the project.
- Chapter 5, Greenhouse Gases and Climate Change, describes the existing environmental setting with respect to GHGs and climate change; introduces the regulatory framework relevant to GHGs and climate change; describes the methods for evaluating effects, along with thresholds of significance; and assesses the potential for project construction and operation to make a cumulatively considerable contribution to significant cumulative climate change impacts and adverse GHG effects.
- Chapter 6, References, provides complete reference information for the published, online, agency, institutional, and individual sources consulted in preparation of this report.
- Chapter 7, Preparers, identifies the authors of this report.
- Glossary

In addition, supporting information is provided in the following appendices:

- Appendix A, Air Quality and Greenhouse Gas
- Appendix B, ROG, NOX, and PM Results Without November 2025 CARB Adjustments for Removal of Mobile-Source Regulations
- Appendix C, Health Risk Appendix

Chapter 2
Project Description

2.1 Project Location

The proposed project is located at NASA's Ames Research Center (NASA ARC), as depicted on Figure 2-1, on an approximately 39-acre project site (Project Site), along with approximately 6 acres of off-site areas (Off-Site Areas) where utility improvements and building demolition would take place. Together, the Project Site and Off-Site Areas comprise the approximate 45-acre limits of work (Limits of Work), as depicted on Figure 2-2 and as more fully described below.

The Limits of Work are located primarily on federal land within NASA ARC, an approximately 2,000-acre facility located in unincorporated Santa Clara County, California between U.S. 101 and the southwestern edge of San Francisco Bay. A small portion of the Off-Site Areas is on federal land owned by the United States Army (Army). The city of Mountain View borders NASA ARC to the north and southwest, and the city of Sunnyvale borders NASA ARC to the southeast and east. NASA ARC is approximately 33 miles south of the city of San Francisco and 8 miles north of the city of San José.

The Project Site is within the city of Mountain View Sphere of Influence but outside of any city's jurisdictional limits. The Off-Site Areas are also within the city of Mountain View Sphere of Influence; most of the Off-Site Areas are outside of any city's jurisdictional limits, with the exception of the northern portion and the southwestern portion, which are within the city of Mountain View. The Project Site is bounded by Wescoat Road to the north and Cody Road to the east.[12] The southern boundary of the Project Site is between Edquiba Road and Girard Road. The western boundary of the Project Site is within an empty lot immediately west of Bailey Road. The Project Site is a portion of Santa Clara County Assessor's Parcel Number 116-18-012.

The Limits of Work is currently developed with 18 one- to three-story buildings that total approximately 185,600 square feet, along with surface parking lots, roadways, and utility infrastructure. The existing buildings are mostly vacant; many were formerly used as ancillary buildings that supported Navy operations (e.g., offices, food service, a gas station, pool, recreation center, and lodging). The other existing buildings within the Limits of Work comprise industrial, storage, and utility facilities. As of mid-2024, approximately 42 people were employed within the Limits of Work; no full time residents or short term occupants (e.g., summer interns) lived within the Limits of Work.

The Project Site is relatively flat, with existing grades gradually sloping from south to north. The Project Site is currently covered with a substantial amount of impervious hardscape. This includes roads, surface parking lots, streets, and paths, which, in total, cover approximately 70 percent of the site. Existing landscaping includes approximately 245 trees located throughout the Project Site.

Soil and groundwater at the Project Site have been affected by contamination associated with the Middlefield-Ellis-Whisman (MEW) Superfund site and the U.S. Navy's operations at Naval Air Station Moffett Field, which is no longer in operation. The MEW extraction and treatment system is directly adjacent to and within the Project Site. Within the Project Site there are several recovery wells and

[12] Cody Road would be realigned to the east as part of the proposed project and would be the eastern boundary of the Project Site.

underground piping for the treatment system. No potable water supplies are fed or contaminated by NASA ARC groundwater; all potable water is purchased from the San Francisco Public Utilities Commission, which contains some portion of off-site groundwater sources.

2.2 Proposed Berkeley Space Center Master Plan and Proposed Berkeley Space Center Development Guidelines

The proposed project will include the proposed Berkeley Space Center Master Plan (Master Plan), which establishes the overall project vision, conceptual plans, and illustrative renderings, and the proposed Berkeley Space Center Development Guidelines (Development Guidelines), which provide Maximum and Minimum Development Parameters and Standards for the proposed project buildings and open space. The Maximum and Minimum Development Parameters are a conceptual layout depicting the horizontal and vertical dimensions of the project. Standards are mandatory requirements that would be required to be implemented for the project. Together, the Master Plan and the Development Guidelines will be included as part of the project application submitted by the Project Proponent to NASA. The analysis of the environmental impacts of the proposed project is based on the proposed Maximum and Minimum Development Parameters and the Standards established in the Development Guidelines.

2.3 Project Characteristics

The proposed project under consideration by NASA (i.e., the proposed action) would include academic and research facilities, consisting of offices, laboratories, research-and-development (R&D) uses, and related amenities (collectively, "Research and Office Uses"); conference center and related amenities ("Conference Uses"); ground-floor retail, food and beverage, maker spaces (i.e., collaborative work spaces for using various tools and materials), and other complementary accessory uses that would be publicly accessible (collectively, "Active Uses"); student/faculty housing, including associated amenities ("Student/Faculty Housing"); short-term lodging, including associated amenities ("Short-Term Lodging"); transportation networks; and open spaces, as well as landscaped spaces, to create a state-of-the-art research and education hub that shapes the future of technology and innovation and advance the UC Regents educational, scientific research, charitable, and other exempt purposes (within the meaning of Section 501(c)(3) of the United States Internal Revenue Code). Figure 2-3 shows the conceptual land use plan for the proposed project.[13] Implementation of the proposed project would include demolition of all existing buildings on the Project Site. In addition, as discussed above, the proposed project also includes Off-Site Areas consisting of utility improvements and building demolition. Together, the Project Site and the Off-Site Areas comprise the Limits of Work.

Pursuant to NEPA, the joint EIR/EIS evaluates the following alternatives at an equal level of detail:

[13] Both the parcel boundary and the Project Site boundary are shown in the conceptual plans. The parcel boundary includes the leased premises; it is provided for informational purposes only. The Project Site boundary includes the area that would be redeveloped as part of the proposed project.

- **CEQA Proposed Project (NEPA Build Alternative 1)**, which would create approximately 2.3 million square feet of Research and Office Uses, Conference Uses, Active Uses, Student/Faculty Housing, and Short-Term Lodging for visitors and conference attendees. The CEQA Proposed Project would include approximately 2 million square feet for Research and Office Uses, 25,000 square feet for Conference Uses, 90,000 square feet for Active Uses, 130,000 square feet for Student/Faculty Housing, and 75,000 square feet for Short-Term Lodging. Only the CEQA Proposed Project includes the Water Reuse Facility (WRF) Option and the Central Utility Plant (CUP) Option.[14]
- **CEQA Reduced Density Alternative (NEPA Build Alternative 2)**, which would create approximately 1.4 million square feet of Research and Office Uses, Conference Uses, Active Uses, Student/Faculty Housing, and Short-Term Lodging for visitors and conference attendees. Compared to the CEQA Proposed Project, the CEQA Reduced Density Alternative would provide less space for Research and Office Uses. The CEQA Reduced Density Alternative would include approximately 1.1 million square feet for Research and Office Uses, 25,000 square feet for Conference Uses, 90,000 square feet for Active Uses, 130,000 square feet for Student/Faculty Housing, and 75,000 square feet for Short-Term Lodging.
- **NEPA No-Action Alternative**, under which the proposed action would not be constructed and operated at the Project Site. The buildings within the Limits of Work that are currently operational would continue to be operational. The buildings within the Limits of Work that are currently vacant could be reoccupied consistent with the prior uses of the buildings (e.g., ancillary buildings that supported Navy operations as well as industrial, storage, and utility facilities); reoccupying the vacant buildings would not require construction activity. The NASA Ames Development Plan (NADP), which established NASA's vision for long-term development of NASA ARC, also allows other types of uses at the Project Site. The NEPA No-Action Alternative could result in retaining the approximately 185,600 square feet of existing mixed uses, resulting in approximately 668 employees.[15] The NEPA No-Action Alternative would not result in the reoccupation of any buildings formerly used for lodging; thus, the NEPA No-Action Alternative would not generate any new full-time residents or short term occupants (e.g., summer interns) within the Limits of Work.

Consistent with the guidance in State CEQA Guidelines Sections 15126.6(d) and 15126.6(e), the joint EIR/EIS evaluates the following alternatives in comparison to the CEQA Proposed Project with or without the No Student/Faculty Housing Variant/Sub-Alternative described below. The following alternatives are evaluated qualitatively in the joint EIR/EIS and no detailed analysis is provided in this report.

- **CEQA Reduced Height Alternative,** which would create approximately 2 million square feet of Research and Office Uses, Conference Uses, Active Uses, Student/Faculty Housing, and Short-Term Lodging for visitors and conference attendees. Compared to the CEQA Proposed Project, the CEQA Reduced Height Alternative would achieve lower maximum building height and a greater step-down depth for the Subareas along Wescoat Road. In addition, the CEQA Reduced Height Alternative would provide less space for Research and Office Uses and less space for Student/Faculty Housing compared to the CEQA Proposed Project. The CEQA Reduced Height

14 Under the Water Reuse Facility Option, portions of the non-potable supply would be provided on-site rather than by Mountain View. The Central Utility Plant Option would provide a centralized heating and cooling system for all buildings instead of building-by-building heating, ventilation, and air-conditioning (HVAC) systems.

15 This is based on a generation rate of 3.6 employees per 1,000 square feet.

Alternative would include approximately 1.66 million square feet for Research and Office uses, 25,000 square feet for Conference Uses, 90,000 square feet for Active Uses, 100,000 square feet for Student/Faculty Housing, and 75,000 square feet for Short-Term Lodging.

- **CEQA No-Project/Existing Conditions Alternative**, under which the Project Proponent would not construct and operate the CEQA Proposed Project at the Project Site. The buildings within the Limits of Work that are currently operational would continue to be operational and the buildings within the Limits of Work that are currently vacant would remain vacant.[16]

Table 2-1 summarizes the similarities and differences between the CEQA Proposed Project and the CEQA Reduced Density Alternative.

2.3.1 No Student/Faculty Housing Variant/Sub-Alternative

The Project Proponent has identified one variant/sub-alternative that includes certain project features that are different from those of the CEQA Proposed Project and CEQA Reduced Density Alternative: the No Student/Faculty Housing Variant/Sub-Alternative (Variant).[17] Both the CEQA Proposed Project and the CEQA Reduced Density Alternative include the Variant. The Variant would replace the 130,000 square feet of Student/Faculty Housing in Subarea 6 with 130,000 square feet of Research and Office Uses under both the CEQA Proposed Project and CEQA Reduced Density Alternative. Specifically, the Variant would include 90,000 square feet of laboratory and R&D uses, 25,000 square feet of office uses, and 15,000 square feet of academic uses. The Variant would have the same type of land uses; the same general site plan; the same maximum building height; the same amount of Conference Uses, Active Uses, Short-Term Lodging, and open space; the same number of guests; the same roadway infrastructure; the same utility infrastructure; the same parking ratio; and the same construction activities proposed and evaluated under the CEQA Proposed Project and CEQA Reduced Density Alternative. Because the amount of Research and Office Uses and the number of Student/Faculty Housing units would be different under the Variant, the number of bicycle parking spaces, and the number of residents, employees, and students would likewise change. This potential difference in proposed land use is identified as a variant because it may or may not be included as part of the project during implementation. Figure 2-4 shows the conceptual land use plan for the Variant.

Table 2-1. Summary of Similarities and Differences between the CEQA Proposed Project and the CEQA Reduced Density Alternative

Characteristic	CEQA Proposed Project (NEPA Build Alternative 1)	CEQA Reduced Density Alternative (NEPA Build Alternative 2)
Similarities		
Types of Land Uses	Same	
Location of Land Uses	Same (see Figure 2-3)	
Site Plan	Same (see Figure 2-3)	

[16] This provides a conservative analysis under CEQA for the purposes of comparison.

[17] Throughout this report, *Variant* refers to both the Variant (under CEQA) and the Sub-Alternative (under NEPA).

Characteristic	CEQA Proposed Project (NEPA Build Alternative 1)	CEQA Reduced Density Alternative (NEPA Build Alternative 2)
Limits of Work (i.e., Project Footprint)	Same (45 acres, including 39-acre Project Site and 6 acres of Off-Site Areas)	
Maximum Building Height[a]	Same (Approximately 80 feet, with an exceedance of up to 25 feet for mechanical equipment and screens)	
Amount of Conference Uses, Active Uses, Student/Faculty Housing, Short-Term Lodging, and Open Space	Same (25,000-square-feet of Conference Uses, 90,000 square feet of Active Uses, 145 Student/Faculty Housing units, 100 Short-Term Lodging units, and a minimum of 10 acres of open space)	
Number of Residents and Guests	Same (200 guests and 363 residents)	
Utility Infrastructure and Roadways[b]	Same	
Parking Ratio	Same	
Construction Start and End Dates	Same (begin in 2027 and end in 2040)	
No Student/Faculty Housing Variant/Sub-Alternative	Same (Variant included)	
Differences		
Number of Internal Floors[a]	Greater to accommodate increased square footage and building height restriction	Less given reduced overall square footage
Internal Floor-to-Floor Heights[a]	Lower to accommodate increased square footage and building height restriction	Higher given reduced overall square footage
Amount of Square Footage for Research and Office Uses	Greater (2,000,000 square feet)	Less (1,080,000 square feet)
Number of Employees and Students[c]	Greater (5,997 employees and 177 students)	Less (3,331 employees and 95 students)
Number of Parking Spaces[c]	Greater	Less
WRF Option and CUP Option[d]	Yes	No

Source: Proposed Berkeley Space Center Development Guidelines, Spring 2026.

Notes:

WRF = Water Reuse Facility; CUP = Central Utility Plant

a. The internal floor-to-floor heights could be lower under the CEQA Proposed Project to accommodate more square footage in each building, whereas the internal floor-to-floor heights under the CEQA Reduced Density Alternative could be higher because less square footage would need to be accommodated in each building.

b. Only the CEQA Proposed Project includes the WRF Option and the CUP Option; see footnote "d" for more information regarding these options. The proposed roadways would be the same.

c. The difference in the number of employees, students, and parking is due to the greater amount of Research and Office Uses that would be included in the CEQA Proposed Project.

d Under the WRF Option, portions of the non-potable demand would be met using on-site reuse supply rather than recycled water from Mountain View. The non-potable demand that cannot be met by the WRF Option would require the use of potable water. The CUP Option would provide a centralized heating and cooling system for all buildings instead of building-by-building heating, ventilation, and air-conditioning (HVAC) systems.

Chapter 3
Air Quality

This chapter describes the criteria pollutants and precursors that may be generated by construction and operation of the proposed project. It also describes regional and local climate and meteorology, identifies local air quality conditions in the vicinity of the Project Site, and discusses relevant federal, State of California (State), and regional air quality regulations. The chapter assesses the air quality impacts that would result from the proposed project and provides mitigation where feasible.

The air quality study area encompasses the areas directly and indirectly affected by construction and operation of the proposed project. Two geographic scales define the air quality study area. Consistent with Bay Area Air District (Air District) (2023b) guidance, the *local* study area is the Project Site plus areas within 1,000 feet of the Project Site. The *regional* study area is the San Francisco Bay Area Air Basin (SFBAAB).

Chapter 4, *Health Risk Analysis*, identifies locations of sensitive receptors in the local air quality study area and evaluates potential impacts on those receptors from exposure to localized criteria pollutants and toxic air contaminants (TACs) generated during construction and operation of the proposed project. Chapter 5, *Greenhouse Gases and Climate Change*, assesses greenhouse gas (GHG) emissions.

3.1 Affected Environment/Environmental Setting

3.1.1 Pollutants of Concern

Criteria pollutants make up six common air pollutants for which the federal government and the State have set National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS), respectively. Criteria pollutants are defined as ozone, carbon monoxide (CO), lead (Pb), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), and particulate matter (PM), which consists of particulates 10 microns in diameter or less (PM_{10}) and 2.5 microns in diameter or less ($PM_{2.5}$). Ozone is considered a regional pollutant because its precursors affect air quality on a regional scale. Nitrogen oxides (NO_X) and reactive organic gases (ROG) react photochemically to form ozone. This reaction occurs at some distance downwind of the emissions source. Pollutants such as CO, NO_2, SO_2, and Pb are considered local pollutants. They tend to accumulate in the air locally. PM is both a local and regional pollutant.

Concentrations of criteria pollutants are commonly used indicators of ambient air quality. Criteria pollutant concentrations can be used to determine acceptable levels of exposure. The ambient air quality standards for these pollutants are set with an adequate margin of safety for public health and the environment (Clean Air Act [CAA] Section 109). Epidemiological, controlled human exposure, and toxicology studies evaluate potential health and environmental effects of criteria pollutants and form the scientific basis for new and revised ambient air quality standards.

Table 3-1 provides a brief description of the sources and potential effects of the six criteria pollutants. The primary criteria pollutants generated by the proposed project would be ozone precursors (NO_X and ROG), CO, SO_2, and PM.[18,19] Additional narrative on the sources and effects of these pollutants follows the table.

[18] Pb is also a criteria pollutant. The project would not introduce new sources of Pb and would handle existing Pb (mainly in old paint) according to State and federal requirements. There are State standards for sulfates, hydrogen sulfide, vinyl chloride, and visibility-reducing particulates. However, these pollutants are typically associated with industrial sources, which are not included as part of the proposed project. Accordingly, they are not evaluated further.

[19] Most emissions of NO_X are in the form of nitric oxide (NO). Conversion to NO_2 occurs in the atmosphere as pollutants disperse downwind. Accordingly, NO_2 is not considered a local pollutant of concern for the project and is not evaluated further.

Table 3-1. Sources and Potential Health and Environmental Effects of Criteria Pollutants

Pollutant	Primary Sources	Potential Effects[a]
Ozone	Formed by a chemical reaction between ROG and NO_X in the presence of sunlight. Primary sources of ROG and NO_X are vehicle exhaust, industrial combustion processes, gasoline storage and transport, solvents, paints, and landfills.	Inflammation of mucous membranes and airways in lungs; wheezing; coughing, along with pain when inhaling deeply; decreased lung capacity; aggravation of lung and heart problems; reduced crop yields; and damage to plants, rubber, some textiles, and dyes.
Particulate matter (PM)	Power plants, steel mills, chemical plants, unpaved roads and parking lots, wood-burning stoves and fireplaces, equipment, and vehicles.	Irritation of airways, coughing, or difficulty breathing; aggravated asthma; development of chronic bronchitis; irregular heartbeat; nonfatal heart attacks; and premature death in people with heart or lung disease. Impairs visibility (haze).
Carbon monoxide (CO)	A component of combustion-engine exhaust that is formed when carbon in fuel is not burned completely.	Reduced ability of blood to deliver oxygen to vital tissues, affecting the cardiovascular and nervous system. Impaired vision and dizziness that can lead to unconsciousness or death.
Nitrogen dioxide (NO_2)	Motor vehicles, electric utilities, and other sources that burn fuel.	Aggravation of lung and heart problems. Precursor to ozone and acid rain. Contributes to global warming and nutrient overloading, which deteriorates water quality. Brown discoloration of the atmosphere.
Sulfur dioxide (SO_2)	Petroleum refineries, cement manufacturing processes, metal processing facilities, locomotives, large ships, and fuel combustion in diesel engines.	Aggravation of lung and heart problems. Converts to sulfuric acid, which can damage marble, iron, and steel. Damage to crops and natural vegetation. Impaired visibility.
Lead (Pb)	Metal refineries, smelters, battery manufacturers, iron and steel producers, and racing and aircraft industries that use leaded fuels.	Anemia; damage to the kidneys, liver, brain, reproductive and nervous systems, and other organs; and neurological problems, including learning deficits and lowered IQ. Affects animals, plants, and aquatic ecosystems.

Source: California Air Resources Board 2026
IQ = intelligence quotient; NO_X = nitrogen oxides; ROG = reactive organic gases
[a.] The health effects described in this table may occur at certain concentrations among certain members of the public. The specific concentrations at which health effects are observed depends on the pollutant (e.g., ozone, PM_{10}), an individual's sensitivity, level of exertion (i.e., breathing rate), and duration of exposure.

3.1.1.1 Ozone

Ozone, or smog, is a photochemical oxidant that is formed when ROGs and NO_X (both by-products of internal-combustion engines) react with sunlight. ROGs are compounds made up primarily of hydrogen and carbon atoms. Internal combustion associated with motor vehicle usage is the major source of hydrocarbons. Other sources of ROGs are emissions associated with the use of paints and solvents, the application of asphalt paving, and the use of household consumer products such as aerosols. The two major forms of NO_X are nitric oxide (NO) and NO_2. NO is a colorless, odorless gas formed from atmospheric nitrogen and oxygen when combustion takes place under high

temperature and/or high pressure. NO_2 is a reddish-brown, irritating gas formed by the combination of NO and oxygen. The concentrations of NO_2 and NO in the air varies over time with the amount of direct emissions and atmospheric conditions, which can either promote or reduce their chemical reaction. In addition to serving as an integral participant in the formation of ozone and other pollutants, NO_X also directly acts as an acute respiratory irritant and increases susceptibility to respiratory pathogens by impairing the immune system.

Ozone poses a higher risk to those who already suffer from respiratory diseases (e.g., asthma), children, older adults, and people who are active outdoors. Exposure to ozone at certain concentrations can make breathing more difficult, cause shortness of breath and coughing, inflame and damage the airways, aggravate lung diseases, increase the frequency of asthma attacks, and cause chronic obstructive pulmonary disease. Studies show associations between short-term ozone exposure and nonaccidental mortality, including deaths from respiratory issues. Studies also suggest that long-term exposure to ozone may increase the risk of respiratory-related deaths (U.S. Environmental Protection Agency [EPA] 2025a). The concentration of ozone at which health effects are observed depends on an individual's sensitivity, level of exertion (i.e., breathing rate), and duration of exposure. Studies show large individual differences in the intensity of symptomatic responses, with one study finding no symptoms to the least responsive individual after a 2-hour exposure to 400 parts per billion of ozone and a 50 percent decrease in forced airway volume in the most responsive individual. Although the results vary, evidence suggests that sensitive populations (e.g., asthmatics) may be affected on days when the 8-hour maximum ozone concentration reaches 80 parts per billion (EPA 2025a). In addition to human health effects, ozone has been tied to crop damage, typically in the form of stunted growth, leaf discoloration, cell damage, and premature death (EPA 2024a).

3.1.1.2 Carbon Monoxide

CO is a colorless, odorless, toxic gas produced by incomplete combustion of carbon substances, such as gasoline or diesel fuel. In the study area, high CO levels are of greatest concern during the winter when periods of light winds combine with the formation of ground-level temperature inversions[20] from evening through early morning. These conditions trap pollutants near the ground, reducing the dispersion of vehicle emissions. Moreover, motor vehicles exhibit increased CO emissions rates at low air temperatures. The primary adverse health effect associated with CO is interference with normal oxygen transfer to the blood, which may result in tissue oxygen deprivation. Exposure to CO at high concentrations can also cause fatigue, headaches, confusion, dizziness, and chest pain (California Air Resources Board [CARB] 2025a). There are no ecological or environmental effects from ambient CO (CARB 2025a).

3.1.1.3 Sulfur Dioxide

SO_2 is generated from burning fossil fuels, industrial processes, and natural sources, such as volcanoes. The major adverse health effects associated with SO_2 exposure pertain to the upper respiratory tract. Controlled human and epidemiological studies show that exposure to SO_2 near the 1-hour NAAQS of 0.075 part per million (ppm) can result in asthma exacerbation, including bronchoconstriction, accompanied by symptoms of respiratory irritation such as wheezing,

[20] A temperature inversion occurs when a layer of warm air forms over cooler air, trapping pollutants near the surface.

shortness of breath, and chest tightness. These symptoms can be more pronounced during exercise or physical activity. Exposure to elevated levels of SO_2 (above 1 ppm) may result in increased incidences of pulmonary symptoms and disease, decreased pulmonary function, and increased risk of mortality, especially among the elderly and people with cardiovascular disease or chronic lung disease (CARB 2025b). In addition to potential human health impacts, SO_2 deposition contributes to soil and surface water acidification and acid rain (CARB 2025b).

3.1.1.4 Particulate Matter

PM consists of very small liquid and solid particles that float in the air. These can include smoke, soot, dust, salts, acids, and metals. PM that is 10 microns or less in aerodynamic diameter, about $^1/_{7^{th}}$ the thickness of a human hair, is referred to as PM_{10}. PM that is 2.5 microns or less in aerodynamic diameter, roughly $^1/_{28^{th}}$ the diameter of a human hair, is referred to as $PM_{2.5}$. Major sources of PM_{10} include vehicles and equipment; wood-burning stoves and fireplaces; dust from construction, landfills, and agriculture; wildfires and brush/waste burning; industrial sources; windblown dust from open lands; and atmospheric chemical and photochemical reactions. $PM_{2.5}$ results from fuel combustion (i.e., in vehicles, equipment, power generation, and industrial facilities), residential fireplaces, and wood stoves. PM also forms when gases, such as SO_2, NO_X, and ROG, emitted from industries and motor vehicles undergo chemical reactions in the atmosphere. Thus, PM is both directly emitted and formed as a secondary pollutant.

PM can be transported over long distances. It may adversely affect the human respiratory system, especially for people who are naturally sensitive or susceptible to breathing problems. Studies have linked PM exposure to premature death in people with preexisting heart or lung disease, nonfatal heart attacks, an irregular heartbeat, aggravated asthma, decreased lung function, and increased respiratory symptoms (CARB 2010). They have also shown that long-term exposure to $PM_{2.5}$ is associated with increased risk of mortality, ranging from a 6 to 13 percent increased risk per 10 micrograms per cubic meter of $PM_{2.5}$ (CARB 2010). Studies also show an approximate 0.5 percent increase in overall mortality for every 10 micrograms per cubic meter increase in PM_{10} measured the day before death (EPA 2005).

Depending on their composition, both PM_{10} and $PM_{2.5}$ can also affect water quality and acidity, deplete soil nutrients, damage sensitive forests and crops, affect ecosystem diversity, and contribute to acid rain (EPA 2024b).

3.1.2 Climate and Meteorology

3.1.2.1 Regional Conditions

Although the primary factors that determine air quality are the locations of air pollutant sources and the amount of pollutants emitted from those sources, meteorological conditions and topography are also important factors. Atmospheric conditions, such as wind speed, wind direction, and air temperature gradients, interact with the physical features of the landscape to determine the movement and dispersal of air pollutants. Unique geographic features throughout the state define 15 air basins with distinctive regional climates. The proposed project is in the SFBAAB.

The SFBAAB contains all of Napa, Contra Costa, Alameda, Santa Clara, San Mateo, San Francisco, and Marin Counties as well as portions of Sonoma and Solano Counties (17 California Code of Regulations Section 60101). Climate is affected by the marine air flow and the basin's proximity to the San Francisco Bay Area. Bay breezes push air onshore during the daytime and draw air offshore at night. During the

summer months, the bay helps to cool the warm onshore flows; it warms the air during the winter months. This mediating effect keeps temperatures relatively consistent throughout the year.

Within the larger Santa Clara Valley subregion, winds are influenced by the terrain, resulting in a prevailing flow that roughly parallels the valley's northwest-southeast axis. A north-northwesterly sea breeze flows through the valley during the afternoon and early evening; a light south-southeasterly drainage flow occurs during the late evening and early morning. Wind speeds are greatest in the spring and summer and weakest in the fall and winter. Nighttime and early morning hours frequently have calm winds in all seasons, while summer afternoons and evenings are quite breezy. Strong winds are rare, associated mostly with an occasional winter storm (Air District 2017a:C-10–C-11).

High summer temperatures, stable air, and the mountains surrounding the valley combine to promote ozone formation. In addition to the many local sources of pollution, ozone precursors from San Francisco, San Mateo, and Alameda Counties are carried by prevailing winds to the Santa Clara Valley. The valley tends to channel pollutants to the southeast. In addition, on summer days with low-level inversions, ozone can be recirculated by southerly drainage flows in the late evening and early morning and the prevailing north-westerlies in the afternoon. A similar recirculation pattern occurs in the winter, affecting levels of CO and PM. This movement of the air up and down the valley increases the impact of the pollutants significantly (Air District 2017a:C-10–C-11).

3.1.2.2 Local Conditions

At Moffett Federal Airfield, which is part of NASA ARC, the summers are long, warm, arid, and mostly clear. The winters are short, cold, wet, and partly cloudy. Over the course of the year, the temperature typically varies from 44°F to 77°F and is rarely below 36°F or above 87°F. The hottest month of the year is August, with an average high of 77°F and low of 60°F. The coldest month of the year is December, with an average low of 45°F and high of 59°F. The perceived humidity level at Moffett Federal Airfield does not vary significantly over the course of the year and is typically below 10 percent. The rainy season lasts about 7 months between October and May, with February receiving the most monthly rainfall. Average annual rainfall accumulation is about 17 inches (UC Berkeley et al. 2024:11–12).

3.1.3 Existing Air Quality Conditions

3.1.3.1 Ambient Criteria Pollutant Concentrations

The existing conditions in the local air quality study area can be characterized by regional monitoring data. CARB collects ambient air quality data from a network of air monitoring stations throughout the state. The nearest monitoring station to the Project Site is the San José-Jackson Street monitoring station, which is approximately 9.4 miles southeast of the Project Site. Table 3-2 lists air quality trends from the data collected at San José-Jackson Street for the past 5 years. This station is representative of the project area because the climate, topography, and urban setting are like those of the project area. During the 2019 to 2023 monitoring period, exceedances were recorded at the monitoring station for the State and federal 8-hour ozone standards, State PM_{10} standards, and federal $PM_{2.5}$ standards.

Table 3-2. Ambient Air Quality Monitoring Data Measured at the San José-Jackson Street Station

Pollutant Standards	2019	2020	2021	2022	2023
Ozone					
Maximum 1-hour concentration (ppm)	0.095	0.106	0098	0.090	0.087
Maximum 8-hour concentration (ppm)	0.081	0.085	0.084	0.074	0.068
Measured number of days standard exceeded					
CAAQS 1-hour standard (> 0.09 ppm)	1	1	3	0	0
CAAQS 8-hour standard (> 0.070 ppm)	2	2	4	1	0
NAAQS 8-hour standard (> 0.070 ppm)	2	2	4	1	0
Carbon Monoxide (CO)					
Maximum 8-hour concentration (ppm)	1.3	1.5	1.5	1.4	1.4
Maximum 1-hour concentration (ppm)	1.7	1.8	1.7	1.7	1.9
Measured number of days standard exceeded					
NAAQS 8-hour standard (> 9 ppm)	0	0	0	0	0
CAAQS 8-hour standard (> 9.0 ppm)	0	0	0	0	0
NAAQS 1-hour standard (> 35 ppm)	0	0	0	0	0
CAAQS 1-hour standard (> 20 ppm)	0	0	0	0	0
Nitrogen Dioxide (NO_2)					
State maximum 1-hour concentration (ppb)	59	51	47	46	58
State second-highest 1-hour concentration (ppb)	59	50	47	46	53
Annual average concentration (ppb)	10	9	8	9	9
Measured number of days standard exceeded					
CAAQS 1-hour standard (180 ppb)	0	0	0	0	0
Particulate Matter (PM_{10})					
National maximum 24-hour concentration (μg/m^3)	75.4	134.9	42.8	41.1	*
National second-highest 24-hour concentration (μg/m^3)	53.6	91.0	41.4	41.1	*
State maximum 24-hour concentration (μg/m^3)	77.1	137.1	45.1	44.5	*
State second-highest 24-hour concentration (μg/m^3)	56.0	90.8	41.2	43.2	*
National annual average concentration (μg/m^3)	18.4	24.6	19.6	20.5	*
State annual average concentration (μg/m^3)	19.1	*	20.1	21.3	*
Measured number of days standard exceeded					
NAAQS 24-hour standard (> 150 μg/m^3)	0	0	0	0	*
CAAQS 24-hour standard (> 50 μg/m^3)	4	10	0	0	*
Particulate Matter ($PM_{2.5}$)					
National maximum 24-hour concentration (μg/m^3)	27.6	120.5	38.1	36.2	49.0
National second-highest 24-hour concentration (μg/m^3)	27.4	113.8	30.2	36.0	33.5
State maximum 24-hour concentration (μg/m^3)	34.4	120.5	38.1	36.2	49.0
State second-highest 24-hour concentration (μg/m^3)	29.9	113.8	31.6	36.0	33.5
National annual average concentration (μg/m^3)	9.0	11.5	8.8	10.1	8.1
State annual average concentration (μg/m^3)	9.1	11.5	8.9	10.1	8.2
Measured number of days standard exceeded					
NAAQS 24-hour standard (> 35 μg/m^3)	0	12	1	2	1

Sources: California Air Resources Board 2024a; U.S. Environmental Protection Agency 2024c.
CAAQS = California Ambient Air Quality Standards; CO = carbon monoxide; NAAQS = National Ambient Air Quality Standards; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ppb = parts per billion; ppm = parts per million; SO_2 = sulfur dioxide; > = greater than; * = not applicable or insufficient or no data available to determine the value; $\mu g/m^3$ = micrograms per cubic meter

3.1.3.2 Attainment Designations

Local monitoring data (Table 3-2) are used to designate areas as nonattainment, maintenance, attainment, or unclassified areas for the NAAQS and CAAQS. The four designations are further defined as:

- **Nonattainment**—assigned to areas where monitored pollutant concentrations consistently violate the standard in question
- **Maintenance**—assigned to areas where monitored pollutant concentrations exceeded the standard in question in the past but are no longer in violation of that standard
- **Attainment**—assigned to areas where pollutant concentrations meet the standard in question over a designated period
- **Unclassified**—assigned to areas where data are insufficient for determining whether a pollutant is violating the standard in question

Table 3-3 summarizes the attainment status of Santa Clara County in the SFBAAB with regard to the NAAQS and CAAQS.

Table 3-3. Federal and State Attainment Status for Santa Clara County

Criteria Pollutant	Federal (NAAQS) Designation	State (CAAQS) Designation
Ozone (8-hour standard)	Marginal nonattainment	Nonattainment
CO	Attainment	Attainment
PM_{10}	Attainment	Nonattainment
$PM_{2.5}$	Moderate nonattainment[a]	Nonattainment
NO_2	Attainment	Attainment
SO_2	Attainment	Attainment
Lead	Attainment	Attainment
Sulfates	(no federal standard)	Attainment
Hydrogen sulfide	(no federal standard)	Unclassified
Visibility-reducing particles	(no federal standard)	Unclassified

Source: California Air Resources Board 2025c; U.S. Environmental Protection Agency 2025b.
CO = carbon monoxide; NO_2 = nitrogen dioxide; $PM_{2.5}$ = particulate matter with a diameter less than or equal to 2.5 microns; PM_{10} = particulate matter with a diameter less than or equal to 10 microns; SO_2 = sulfur dioxide
[a] EPA lowered the annual PM NAAQS on February 7, 2024, from 12 to 9 micrograms per cubic meter. CARB has submitted initial recommendations for area designations under the new standard, which include a nonattainment designation for the San Francisco Bay Area. Final designations under the revised standard are expected in February 2026.

3.1.4 Emissions Inventories

A criteria pollutant inventory is an accounting of the total emissions from all sources in a geographic area over a specified period. Emission inventories are used in air quality planning and can provide a general indication of existing air quality in an area. CARB maintains an annual emissions inventory for each county and air basin in the state. The inventory for the SFBAAB consists of data submitted to CARB by the Air District plus estimates for certain source categories, which are provided by CARB. Table 3-4 summarizes the most recent (2017) criteria pollutant inventory for the SFBAAB.

Table 3-4. Criteria Pollutant Emissions Inventory (2017) for the SFBAAB (tons per day)

Geographic Area	ROG	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
SFBAAB	501	210	2,118	30	205	135

Source: California Air Resources Board 2019.
CO = carbon monoxide; NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases; SO_2 = sulfur dioxide; SFBAAB = San Francisco Bay Area Air Basin

3.1.5 Odors

Although offensive odors rarely cause physical harm, they can be unpleasant and lead to considerable distress among the public. This distress often generates citizen complaints to local governments and air districts. The Air District's *CEQA Air Quality Guidelines* (2023a:Table 5-4) identify several types of land uses as being commonly associated with odors, such as landfills, wastewater treatment facilities, food processing facilities, painting/coating operations, and metal smelting plants. CARB's *Air Quality and Land Use Handbook* (2005:Table 1-4) likewise defines land uses associated with odor complaints to include sewage treatment plants, landfills, recycling facilities, manufacturing, and agricultural activities. Odor impacts on nearby residential areas and other sensitive receptors, such as hospitals, day-care centers, and schools, warrant the closest scrutiny, but consideration should also be given to other land uses where people may congregate, such as recreational facilities, work sites, and commercial areas.

3.2 Regulatory Setting

UC Berkeley is constitutionally exempt from local governments' regulations, such as city and county general plans, land use policies, and zoning regulations, whenever using property under its control in furtherance of its educational purposes. As such, UC Berkeley will not consider local policies and regulations in its evaluation of the environmental effects of the proposed project unless UC Berkeley expressly decides to use a local policy or regulation as a threshold or standard of significance. For the purposes of CEQA, UC Berkeley has elected to use guidance from the Air District to evaluate air quality impacts from construction and operational emissions associated with the project. This guidance is discussed further in Section 3.3.2, *Thresholds of Significance*. As noted below in Section 3.2.3.1, *Air District*, the proposed project is subject to Air District rules and regulations.

NASA's ARC, including the area where the proposed action would be built and operated, is an area of exclusive federal jurisdiction. In the absence of an explicit waiver of sovereign immunity by Congress, state and local government regulations (e.g., city and county general plans, land use policies, zoning regulations, and state environmental laws) do not apply to areas of exclusive federal

jurisdiction. Therefore, state and local government requirements will not be considered as applicable to the proposed action, when the proposed action and environmental effects are located on ARC jurisdictional property. This includes mitigation measures proposed in accordance with those state and local government regulations that are not applicable in areas of federal jurisdiction; such proposed mitigation measures are optional on the part of NASA. However, NASA may, at its discretion, expressly apply a state or local requirement for purposes of establishing a threshold or standard of significance and may elect to comply with mitigations measures required by state or local governmental agencies. With respect to conflicts with regional air quality plans, NASA has elected to use guidance from the State and the Air District, supplemented with federal standards for the analysis of air quality associated with the project. For the topic of regional and cumulative air quality impacts from construction and operational emissions, NASA has elected to use the *de minimis* levels outlined in the federal CAA (40 Code of Federal Regulations Section 93.153(b)).

The federal CAA and its subsequent amendments form the basis for the nation's air pollution control effort. EPA is responsible for implementing most aspects of the CAA. A key element of the CAA is the NAAQS for criteria pollutants. The CAA delegates enforcement of the NAAQS to the states. In California, CARB is responsible for enforcing air pollution regulations and ensuring the NAAQS and CAAQS are met. CARB, in turn, delegates regulatory authority for stationary sources and other air quality management responsibilities to regional air agencies. The Air District is the regional air agency with jurisdiction over the SFBAAB, within which the Project Site is located. The sections that follow summarize federal, State, and regional air quality regulations that apply to the proposed project.

3.2.1 Federal

3.2.1.1 Clean Air Act and National Ambient Air Quality Standards

The federal CAA, promulgated in 1963 and amended several times thereafter, including the 1990 CAA amendments, establishes the framework for modern air pollution control in the United States. CAA directs EPA to establish federal air quality standards, known as NAAQS, and specifies future dates for achieving compliance. EPA has set NAAQS for six "criteria" pollutants, as described above in Section 3.1.1, *Pollutants of Concern*. The NAAQS are divided into primary and secondary standards. The former are set to protect human health with an adequate margin of safety; the latter are set to protect environmental values, such as plant and animal life. The CAA mandates that the State submit and implement a State Implementation Plan (SIP) for local areas that fail to meet the NAAQS. The SIP must include pollution control measures that demonstrate how the standards will be met by the dates specified in CAA.[21]

Table 3-5 summarizes the NAAQS currently in effect for each criteria pollutant. The CAAQS (discussed below in Section 3.2.2, *State*) are also provided for reference.

[21] The 2001 *San Francisco Bay Area Ozone Attainment Plan for the 1-Hour National Ozone Standard* addressed the now revoked 1-hour ozone NAAQS. Although not a federal SIP, the 2017 *Spare the Air, Cool the Climate* provides a comprehensive plan to improve Bay Area air quality and protect public health. This plan is discussed further in Section 3.2.3.1, *Air District*.

Table 3-5. Federal and State Ambient Air Quality Standards

Criteria Pollutant and Average Time	California Standards	National Standards[a]	
		Primary	Secondary
Ozone—1 hour	0.09 ppm	None[b]	None[b]
Ozone—8 hours	0.070 ppm	0.070 ppm	0.070 ppm
Particulate matter (PM_{10})—24 hours	50 μg/m^3	150 μg/m^3	150 μg/m^3
Particulate matter (PM_{10})—annual mean	20 μg/m^3	None	None
Fine particulate matter ($PM_{2.5}$)—24 hours	None	35 μg/m^3	35 μg/m^3
Fine particulate matter ($PM_{2.5}$)—annual mean	12 μg/m^3	9.0 μg/m^3	15 μg/m^3
Carbon monoxide—8 hours	9.0 ppm	9 ppm	None
Carbon monoxide—1 hour	20 ppm	35 ppm	None
Nitrogen dioxide—annual mean	0.030 ppm	0.053 ppm	0.053 ppm
Nitrogen Dioxide—1 hour	0.18 ppm	0.100 ppm	None
Sulfur dioxide—annual mean[c]	None	0.010 ppm	None
Sulfur dioxide—24 hours[c]	0.04 ppm	0.14 ppm	None
Sulfur dioxide—3 hours	None	None	0.5 ppm
Sulfur dioxide—1 hour	0.25 ppm	0.075 ppm	None
Lead—30-day average	1.5 μg/m^3	None	None
Lead—calendar quarter	None	1.5 μg/m^3	1.5 μg/m^3
Lead—3-month average	None	0.15 μg/m^3	0.15 μg/m^3
Sulfates—24 hours	25 μg/m^3	None	None
Visibility-reducing particles—8 hours	–[d]	None	None
Hydrogen sulfide—1 hour	0.03 ppm	None	None
Vinyl chloride—24 hours	0.01 ppm	None	None

Source: California Air Resources Board 2024b; U.S. Environmental Protection Agency 2024d.

[a.] National standards are divided into primary and secondary standards. Primary standards are intended to protect public health, whereas secondary standards are intended to protect public welfare and the environment.

[b.] The federal 1-hour standard of 12 parts per hundred million was in effect from 1979 through June 15, 2005. The revoked standard is referenced because it was employed for such a long period and is a benchmark for SIPs.

[c.] The annual and 24-hour NAAQS for SO_2 apply for only 1 year after designation of the new 1-hour standard to those areas that were previously in nonattainment for 24-hour and annual NAAQS.

[d.] The CAAQS for visibility-reducing particles is defined by an extinction coefficient of 0.23 per kilometer (visibility of 10 miles or more due to particles when relative humidity is less than 70 percent).

CAAQS = California Ambient Air Quality Standards; NAAQS = National Ambient Air Quality Standards; ppm= parts per million; SO_2 = sulfur dioxide; mg/m^3 = micrograms per cubic meter

Conformity Rule

Pursuant to CAA Section 176(c) requirements, EPA promulgated 40 Code of Federal Regulations (CFR) Part 51, Subpart W, and 40 CFR Part 93B, Determining Conformity of General Federal Actions to State or Federal Implementation Plans (Section 63214) (November 30, 1993), as amended, 75 *Federal Register* (Fed. Reg.) 17253 (April 5, 2010). These regulations, commonly referred to as the General Conformity Rule, apply to all federal actions, including NASA actions. Federal actions that are excluded from review (e.g., stationary emission sources that hold permits under the federal New Source Review program) or related to transportation plans, programs, and projects, which are subject to transportation conformity, are not subject to General Conformity.

The General Conformity Rule is used to determine if federal actions meet the requirements of the CAA and the applicable SIP so that air emissions related to the action do not result in the following outcomes:

- Cause or contribute to new violations of the NAAQS
- Increase the frequency or severity of any existing violation of the NAAQS
- Delay timely attainment of the NAAQS or interim emission reductions

A conformity determination under the General Conformity Rule is required if the federal agency determines that all of the following criteria apply:

- The action will occur in a nonattainment or maintenance area.
- One or more specific exemptions do not apply to the action.
- The action is not included in the federal agency's "presumed to conform" list.
- The emissions from the proposed action are not within the approved emissions budget for an applicable facility.
- The total direct and indirect emissions of a pollutant (or its precursors) are at or above the *de minimis* levels established in the General Conformity Rule (75 Fed. Reg. 17255).

Conformity regulatory criteria are listed in 40 CFR Section 93.158. An action would be determined to be in conformance with the applicable SIP if, for each pollutant that exceeds the *de minimis* emissions level in 40 CFR Section 93.153(b) or otherwise requires a conformity determination because of total direct and indirect emissions from the action, the action meets the requirements of 40 CFR Section 93.158(c) and any of the requirements listed in 40 CFR Section 93.158(a).

3.2.1.2 Non-Road Diesel Rule

EPA has established a series of increasingly strict emissions standards for new off-road diesel equipment, on-road diesel trucks, and locomotives. New equipment used within the project area, including off-road construction, would be required to comply with these emissions standards.

3.2.1.3 Vehicle Fuel and Emission Standards

The National Highway Traffic Safety Administration (NHTSA) and EPA set corporate average fuel economy (CAFE) standards for passenger cars and light trucks (collectively, light-duty vehicles), along with separate fuel consumption standards for medium- and heavy-duty trucks and engines. The latest update to the CAFE standards was published on June 7, 2024. It requires an industry-wide fleet average of approximately 50.4 miles per gallon (mpg) in model year 2031 for passenger cars and light trucks and an industry fleet-wide average for heavy-duty trucks of roughly 2.851 gallons per 100 miles in model year 2035. EPA has also proposed federal vehicle standards that build on the CAFE standards with more stringent emission regulations and accelerated deployment of electric and clean vehicles. However, on March 12, 2025, EPA Administrator Lee Zeldin announced that EPA will reconsider emissions regulation on model year 2027 and later light-, medium-, and heavy-duty vehicles. The "One Big Beautiful Bill," signed on July 4, 2025, also removed the penalties levied on automakers for noncompliance with the CAFE standards.

3.2.1.4 NASA Ames Development Plan

The NADP details transformation of the original 500-acre NASA ARC campus and 1,500 acres of former Naval Air Station Moffett Field into an integrated, dynamic research and education community. The transformation will be led by establishment of the NRP, a research-and-development campus for partners from academia, industry, and non-profit organizations with shared goals in support of NASA's mission.

The Transportation Demand Management (TDM) Program for the NRP was developed to support NASA's sustainable transportation development goals for the NRP. The TDM Program, which seeks to reduce the number of vehicle trips and minimize air pollutants, includes the following strategies specific to air quality:

- Promote orderly and controlled growth at NASA ARC
- Provide workable relationships between land uses and the transportation system
- Conserve energy and land resources
- Keep pollution at or below regulated levels

The TDM Program specifically states that once operational, development under the NADP can produce no more than 100 tons of NO_X emissions per year from mobile sources.

3.2.2 State

3.2.2.1 California Clean Air Act and California Ambient Air Quality Standards

In 1988, the California Legislature adopted the California CAA, which established a statewide air pollution control program. The California CAA requires all air districts in the state to endeavor to meet the CAAQS by the earliest practical date. Unlike the federal CAA, the California CAA does not set precise attainment deadlines. Instead, the California CAA establishes increasingly stringent requirements for areas that will require more time to achieve the standards. The CAAQS are generally more stringent than the NAAQS and incorporate additional standards for sulfates, hydrogen sulfide, visibility-reducing particles, and vinyl chloride. The CAAQS and NAAQS are listed together in Table 3-5.

CARB and local air districts bear responsibility for achieving California's air quality standards, which are to be achieved through district-level air quality management plans incorporated into the SIP. In California, EPA has delegated authority to prepare SIPs to CARB, which, in turn, has delegated that authority to individual air districts. CARB has traditionally established state air quality standards, maintaining oversight authority in air quality planning, developing programs for reducing emissions from motor vehicles, developing air emission inventories, collecting air quality and meteorological data, and approving SIPs.

The California CAA substantially adds to the authority and responsibilities of air districts. The California CAA designates air districts as lead air quality planning agencies, requires air districts to prepare air quality plans, and grants air districts authority to implement transportation control measures. The California CAA also emphasizes the control of "indirect and area-wide sources" of air pollutant emissions. An indirect source is a facility or land use that attracts or generates motor

vehicle traffic. The California CAA gives local air pollution control districts explicit authority to regulate indirect sources of air pollution and establish traffic control measures.

3.2.2.2 State Tailpipe Emission Standards

CARB established a series of increasingly strict emission standards for new off-road diesel equipment, on-road diesel trucks, and harbor craft. Construction equipment used for the project, including heavy-duty trucks and off-road construction equipment, would be required to comply with the standards applicable to the model year of manufacture.

CARB is responsible for the certification and production audit of new passenger vehicles and heavy-duty vehicles. Vehicles are not legal for sale in California until CARB certified. CARB also establishes emissions standards for on-road vehicles. For example, CARB adopted the Advanced Clean Truck Regulation in June 2020 to accelerate a large-scale transition to zero-emission medium- and heavy-duty vehicles. The regulation requires zero-emission medium- and heavy-duty vehicles to be an increasing percentage of total annual California sales between 2024 and 2045. By 2045, every new medium- and heavy-duty truck sold in California will be a zero-emission vehicle. Additional CARB regulations to improve vehicle efficiency and the penetration of zero-emission vehicles (ZEVs) are discussed in Section 5.2.2, *State*, in Chapter 5, *Greenhouse Gases and Climate Change*. However, many of California's vehicle emission standards are enabled through its CAA waiver, which allows the State to set stricter standards than those of the federal government. On May 22, 2025, the U.S. Senate voted to rescind California's waiver. As of the writing of this document, State officials are preparing legal action to challenge the decision. The fate of California's vehicle emissions regulations remains uncertain.

3.2.2.3 University of California

The University of California, a constitutionally created State entity, is not subject to the municipal regulations of surrounding local governments for uses on property owned or controlled by the University of California that are in furtherance of its educational purposes. UC Berkeley may consider, for coordination purposes, aspects of the local plans and policies of the communities surrounding the Project Site when it is appropriate and feasible, but it is not bound by those plans and policies in its planning efforts.

3.2.3 Regional

3.2.3.1 Air District

At the local level, the responsibilities of air quality districts include overseeing stationary-source emissions, approving permits, maintaining emissions inventories, maintaining air quality stations, overseeing agricultural burning permits, and, for a lead or responsible agency, reviewing air quality–related sections of environmental documents required by CEQA. The air quality districts are also responsible for establishing and enforcing local air quality rules and regulations that address the requirements of federal and State air quality laws and ensuring that the NAAQS and CAAQS are met.

The Air District is the regional air agency with jurisdiction over the SFBAAB, within which the Project Site is located. The Air District developed advisory emissions thresholds to assist CEQA lead

agencies in determining the level of significance of a project's air quality emissions, which are outlined in its *CEQA Air Quality Guidelines* (Air District 2023a:Table 3-1). The Air District has also adopted air quality plans to improve air quality, protect public health, and protect the climate, including the *2017 Clean Air Plan: Spare the Air, Cool the Climate* (2017 Clean Air Plan) (Air District 2017b).

The 2017 Clean Air Plan, adopted by the Air District on April 19, 2017, updates the prior 2010 Bay Area ozone plan and outlines feasible measures to reduce ozone; provides a control strategy to reduce PM, air toxics, and GHGs in a single integrated plan; and establishes the emissions control measures to be adopted or implemented. The 2017 Clean Air Plan contains the following primary air quality goal, which is relevant to the proposed project, and a goal specific to GHG reduction, as discussed further in Chapter 5, *Greenhouse Gases and Climate Change*:

- Protect Air Quality and Health at the Regional and Local Scale. Attain all State and national air quality standards and eliminate disparities among Bay Area communities in the cancer health risk from TACs (Air District 2017b:1–2).

In addition to air quality plans, the Air District adopts rules and regulations to improve existing and future air quality. The proposed project may be subject to the following air quality rules:

- Regulation 2, Rule 1 (General Permit Requirements)—This rule includes permit criteria for covered equipment and sources.
- Regulation 2, Rule 2 (New Source Review)—This rule contains requirements for best available control technology and emission offsets.
- Regulation 6, Rule 1 (General Requirements)—This rule restricts emissions of PM darker than a 1 on the Ringlemann Chart to less than 3 minutes in any 1 hour.
- Regulation 6, Rule 2 (Commercial Cooking Equipment)— This rule limits emissions from commercial cooking equipment.
- Regulation 7 (Odorous Substances). This regulation establishes general odor limitations on odorous substances and specific emission limitations on certain odorous compounds.
- Regulation 8, Rule 3 (Architectural Coatings). This rule limits the quantity of ROG in architectural coatings.
- Regulation 8, Rule 15 (Emulsified and Liquid Asphalts). This rule limits the quantity of ROG in emulsified and liquid asphalt in paving materials.
- Regulation 9, Rule 8 (Stationary Internal-Combustion Engines). This rule limits emissions of NO_X and CO from stationary internal-combustion engines of more than 50 horsepower.

3.2.3.2 Clean Air Foundation

The Clean Air Foundation (Foundation) provides financial, administrative, and programmatic support to the Air District. It manages grant and incentive programs to fund emission reduction projects through the SFBAAB, with a specific focus on supporting projects located in the most vulnerable communities. Example programs include the Clean Air Filtration Program, Zero-Emission Grant Equipment Program, and City Carshare Program. The Foundation also manages an off-site mitigation program to assist lead agencies in addressing air quality impacts in CEQA and other

regulatory documents. Through this program, lead agencies can pay a mitigation fee, which is then used by the Foundation to fund emission reductions to offset project-specific emissions.

3.2.3.3 Metropolitan Transportation Commission and Association of Bay Area Governments

The Metropolitan Transportation Commission (MTC) serves as both the State-designated regional transportation agency and the federally designated metropolitan planning organization for the nine-county Bay Area region. The Association of Bay Area Governments (ABAG) serves as a regional planning body for the Bay Area and is jointly responsible with MTC to develop long-range plans to improve the environment and standard of living and reduce GHG emissions from cars and light-duty trucks. These long-range plans link land use, as determined by local general plans and transportation planning. The current Regional Transportation Plan (RTP) and Sustainable Community Strategy (SCS), known as *Plan Bay Area 2050*, provides a vision for growth and investment in the Bay Area through 2050. MTC and ABAG are currently developing *Plan Bay Area 2050+* and *Transit 2050+,* which build on Plan Bay Area 2050 with strategy refinements and longer-term transportation planning.

3.3 Impact Analysis

3.3.1 Methodology

Criteria pollutant and ozone precursor emissions generated by construction and operation of the project were quantified using the California Emissions Estimator Model (CalEEMod), version 2022.1, and supporting industry tools (California Air Pollution Control Officers Association [CAPCOA] 2022). Assumptions related to construction and operational activity (e.g., construction phase start and end dates, building energy consumption) were based on project-specific information provided by the Project Proponent and model defaults where project-specific information was not available. The sections that follow provide additional details on the air quality modeling methodology. The quantification methodology is applicable to the analysis of impacts under CEQA and effects under NEPA.

3.3.1.1 Construction

CEQA Proposed Project (NEPA Build Alternative 1) and CEQA Reduced Density Alternative (NEPA Build Alternative 2)

Construction has the potential to create air quality impacts through the use of heavy-duty construction equipment, along with construction workers' vehicle trips, on-road truck trips, paving operations, and the application of architectural coatings. In addition, fugitive dust emissions would result from removal of the existing structures and earthmoving activities. The following model parameters strongly influence the magnitude, intensity, and duration of predicted construction emissions:

- Types and sizes of land uses to be developed, including off-site improvements
- Construction phasing and schedule

- Off-road equipment inventory
- On-road vehicle fleet and construction workforce
- Demolition and earthmoving quantities
- Acres of asphalt paving
- Square footage of architectural coatings applied

Buildout of the project would occur over four phases, spanning a total of approximately 14 years. Based on current information, it is anticipated construction would begin, at the earliest, in 2027. However, based on information available at the time this report was prepared, emissions were quantified assuming construction would begin in 2026. It is projected that the emissions intensity of equipment and vehicle operation in 2027 would be lower than under 2026 conditions because of improvements in engine technology and regulations to reduce combustion emissions. Accordingly, the construction analysis reflects a conservative representation of emissions. This report uses the actual modeled dates (i.e., construction beginning in 2026).

Tables 3-6 and 3-7 summarize the land uses included in each of the four phases under the CEQA Proposed Project and the CEQA Reduced Density Alternative, respectively. Despite having different square footage totals for research uses, the CEQA Proposed Project and the CEQA Reduced Density Alternative would result in the same types of land uses in the same locations and with the same maximum building heights; however, the internal floor-to-floor heights of the research buildings would be different. The internal floor-to-floor heights would be lower under the CEQA Proposed Project to accommodate more square footage in each building, whereas the internal floor-to-floor heights under the CEQA Reduced Density Alternative would be higher because less square footage would need to be accommodated in each building. Thus, construction of the CEQA Proposed Project and the CEQA Reduced Density Alternative would require the same construction activities and sequencing, although the duration of some construction sub-phases would be reduced under the CEQA Reduced Density Alternative, as discussed further below.

Construction of each phase would include various construction activities, with some sub-phases (e.g., site preparation) occurring concurrently and others advancing sequentially. Emissions estimates were modeled with the assumption that construction could begin as early as June 2026. Parcels within each phase were assumed to be occupied immediately following completion of each phase, beginning in 2031. Figure 3-1 illustrates the timing of when the phases would be under construction and the completed land uses occupied. Under the CEQA Reduced Density Alternative, the duration of the “core and shell” and “architectural coating” sub-phases for research buildings would be reduced by 2 months and 1 month, respectively, relative to the CEQA Proposed Project. However, the overall buildout schedule, as represented in Figure 3-1, would be the same under both the CEQA Proposed Project and the CEQA Reduced Density Alternative. Refer to Appendix A for more detailed information on the construction schedule and activities, including the various construction sub-phases.

Table 3-6. Construction Phasing and Land Use Assumptions for the CEQA Proposed Project (NEPA Build Alternative 1)

	Square Feet (unless otherwise stated)				
Use Type	Phase 1 (2026–2030)	Phase 2 (2030–2033)	Phase 3 (2033–2036)	Phase 4 (2036–2039)	Total[a] (2026–2039)
Research					
Office	110,000	110,000	70,000	60,000	350,000
Lab and R&D	445,000	445,000	250,000	250,000	1,390,000
Academic	85,000	85,000	50,000	40,000	260,000
Conference center	0	25,000	0	0	25,000
Active uses (retail)	15,000	35,000	20,000	20,000	90,000
Residential					
Short term	0	75,000	0	0	75,000
Student housing	0	0	0	130,000	130,000
Total building	**655,000**	**775,000**	**390,000**	**500,000**	**2,320,000**
Parking garage	0	0	555,000	525,000	1,080,000
Temporary surface parking	415,000	530,000	255,000	0	1,200,000
On-/off-site roads and utilities	2.7 miles	2.0 miles	1.3 miles	1.9 miles	8.0 miles

Source: Project Proponent 2025.
R&D = research and development
a. Values are rounded to the nearest whole number.

Table 3-7. Construction Phasing and Land Use Assumptions for the CEQA Reduced Density Alternative (NEPA Build Alternative 2)

	Square Feet (unless otherwise stated)				
Use Type (construction years)	Phase 1 (2026–2030)	Phase 2 (2030–2033)	Phase 3 (2033–2036)	Phase 4 (2036–2039)	Total[a] (2026–2039)
Research					
Office	58,000	57,000	40,000	35,000	190,000
Lab and R&D	225,000	225,000	145,000	155,000	750,000
Academic	43,000	42,000	30,000	25,000	140,000
Conference center	0	25,000	0	0	25,000
Active uses (retail)	15,000	35,000	20,000	20,000	90,000
Residential					
Short term	0	75,000	0	0	75,000
Student housing	0	0	0	130,000	130,000
Total building	**341,000**	**459,000**	**235,000**	**365,000**	**1,400,000**
Parking garage	0	0	555,000	525,000	1,080,000
Temporary surface parking	415,000	530,000	255,000	0	1,200,000
On-/off-site roads and utilities	2.7 miles	2.0 miles	1.3 miles	1.9 miles	8.0 miles

Source: Project Proponent 2025.
R&D = research and development
a. Values are rounded to the nearest whole number.

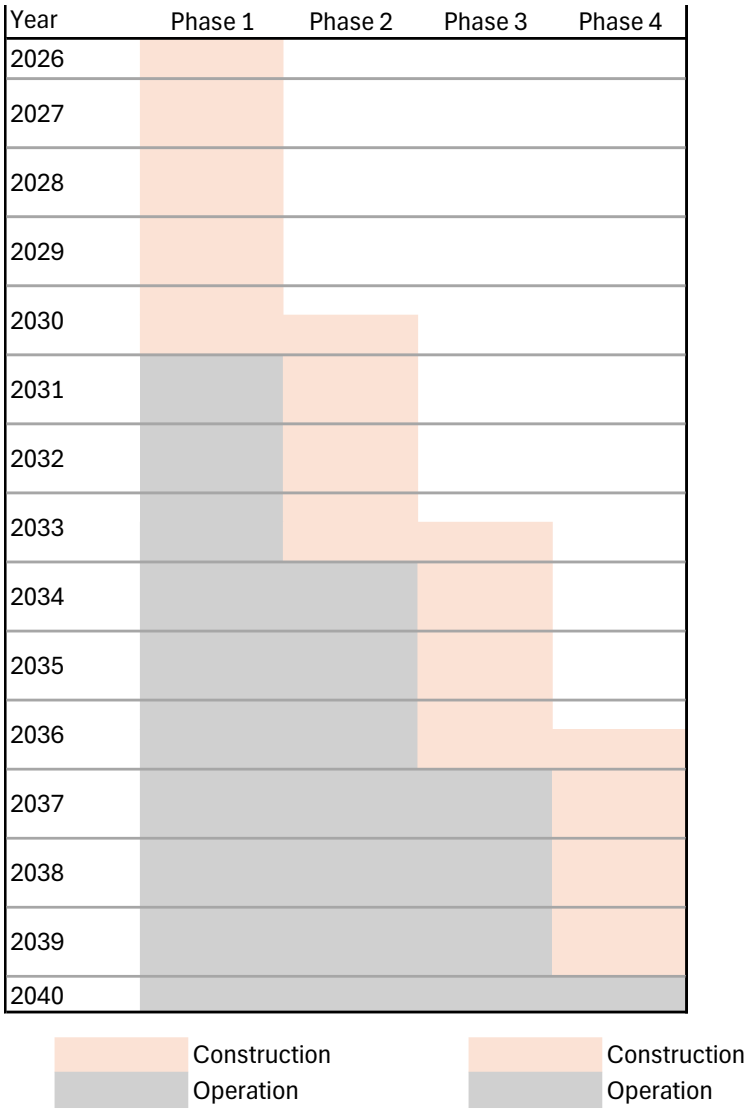

Figure 3-1. Construction Sequencing and Occupancy Assumptions (CEQA Proposed Project [NEPA Build Alternative 1] or CEQA Reduced Density Alternative [NEPA Build Alternative 2])

Model assumptions for off-road equipment, on-road vehicles (i.e., worker, vendor, and haul trips), quantities (i.e., demolition and earthmoving), paving, and coatings are summarized below. Because the intensity of construction would be substantially the same between the CEQA Proposed Project and the CEQA Reduced Density Alternative, there is no measurable difference in the model parameters for the CEQA Proposed Project and the CEQA Reduced Density Alternative, except for architectural coatings (described further below). Refer to Appendix A for additional details on the specific model inputs.

- **Off-Road Equipment**. The Project Proponent provided the inventory (i.e., types, numbers, operating hours) of off-road equipment required for each construction sub-phase. This analysis applied CalEEMod defaults for engine tier, horsepower, and fuel type. These defaults assume all equipment would be diesel, with engine operation based on the statewide fleet average for the construction analysis year.

- **Construction Worker and Vendor Vehicle Trips**. For most sub-phases, the Project Proponent provided the number of daily worker and vendor trips and the vehicle trip lengths. CalEEMod defaults were used to estimate emissions resulting from construction-related worker and vendor trips for those sub-phases where project-specific data were not available. Emissions of CO and SO_2 were calculated in CalEEMod, which uses on-road emission factors from EMFAC version 2021. The CalEEMod default fleet mix was used.

  On June 12, 2025, Congressional resolutions disapproved EPA's decisions to grant California waivers for several regulations in the EMFAC baseline, including Advanced Clean Trucks (ACT), Zero-Emission Airport Shuttle, Heavy-Duty Vehicle and Engine Emission Warranty and Maintenance Provisions (Warranty Phase 1), and Heavy-Duty Omnibus (Omnibus) regulations.[22] While the action is currently being litigated, no injunction has been issued to block the revocation, and California can no longer enforce the regulations. CARB has developed off-model adjustment factors for NO_X, ROG, PM_{10}, and $PM_{2.5}$ that remove the estimated emissions benefits attributed to the regulations, and these adjustment factors were approved by EPA (2025c) on November 21, 2025.

  CalEEMod has not yet been updated to incorporate CARB's adjustment factors for NO_X, ROG, PM_{10}, and $PM_{2.5}$, and users cannot manually adjust construction vehicle emission factors. Accordingly, emissions of these pollutants were separately quantified using the CalEEMod trip and milage inventory and emission factors from EMFAC2021 with the off-model adjustments per CARB's (2025d:5) guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for worker and vendor trips.[23]

- **Construction Haul Truck Trips**. Haul truck emissions of CO and SO_2 were modeled in CalEEMod, based on the daily number of haul truck trips per sub-phase, as provided by the Project Proponent. In addition, ongoing daily haul truck trips were assumed throughout the duration of all four phases to support overall construction. A one-way trip distance of 25 miles was assumed, based on information from the Project Proponent. The CalEEMod default fleet mix (e.g., heavy-heavy duty trucks) was used. Emissions of NO_X, ROG, PM_{10}, and $PM_{2.5}$ from haul trucks were quantified using the CalEEMod trip and milage inventory and emission factors from EMFAC2021 with the off-model adjustments per CARB's (2025d:5) guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for haul trips.

- **Demolition**. Demolition of the existing on-site structures, surface asphalt, and a below-grade steam tunnel would occur during Phases 1 through 3, removing a total of 368,274 square feet of material. Emissions from building and infrastructure demolition were modeled in CalEEMod.

- **Earthmoving**. CalEEMod was used to calculate dust emissions from soil movement (i.e., cut and fill) and site grading. The Project Proponent provided estimates regarding the soil movement volume (cubic yards) and site disturbance area (acres) expected during each sub-phase.

- **Paving**. Paving emissions were modeled in CalEEMod, based on the number of acres paved during each sub-phase, as provided by the Project Proponent.

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[22] See Pub. L. 119-15, 139 Stat. 65 (June 12, 2025); Pub. L. 119-17, 139 Stat. 67 (June 12, 2025).

[23] CARB released EMAFC2025 version 2.1.0 on March 5, 2026, which has been adjusted to account for removal of ACT, Warranty Phase 1, and Omnibus. While EMFAC2025 has been released by CARB, it is not yet approved by EPA and as such, is not used by this analysis to quantify onroad mobile source emissions. The air quality analysis uses emission rates from EMFAC2021 with CARB's off-model adjustments, which is the current version of the EMFAC platform approved by EPA at the time the Notice of Preparation was issued for the environmental document.

- **Architectural Coating**. CalEEMod was used to model architectural coating emissions, based on the building type (including parking garages) and square footage constructed during each phase. CalEEMod assumes 2.7 times the building square footage for residential coatings and 2.0 times the building square footage for non-residential coatings; of that, 75 percent of the coated area would be interior and 25 percent would be exterior. The CEQA Proposed Project would accommodate more gross square footage in research buildings due to reduced internal floor-to-floor heights (see Tables 3-6 and 3-7). However, as noted above, the exterior dimensions of each building would be the same under both the CEQA Proposed Project and CEQA Reduced Density Alternative. The calculated exterior coated area for both the CEQA Proposed Project and the CEQA Reduced Density Alternative was therefore based on the land use data for the CEQA Proposed Project. The interior coated area for research buildings under the CEQA Reduced Density Alternative would be approximately 5 percent less than under the CEQA Proposed Project due to the construction of one less floor/ceiling slab.

Utility Options (CEQA Proposed Project [NEPA Build Alternative 1])

Two utility options are being considered under the CEQA Proposed Project, as described in Chapter 2, *Project Description*. The Central Utility Plant (CUP) option would construct a 12,600-gross-square-foot centralized heating and cooling facility, whereas the Water Reuse Facility (WRF) option would construct a 15,000-gross-square-foot WRF. The proposed infrastructure would be incorporated within the parking garage located in Subarea 4 (CUP Option) or Subarea 6 (WRF Option). Because each facility would be located within the footprint of a parking garage constructed under the CEQA Proposed Project, there would be no additional site disturbance, material movement, or architectural coating applications. However, construction under either option would require additional off-road equipment and on-road vehicles, beyond that required for construction of the CEQA Proposed Project. Emissions from off-road equipment and vehicle operation under either option were quantified using CalEEMod and the methods described above under the CEQA Proposed Project. Construction of the CUP would occur during Phase 3; construction of the WRF would occur during Phase 4. Estimated emissions during these phases were added to those quantified for the CEQA Proposed Project to analyze the construction impact of each utility option. Refer to Appendix A for additional detail on the specific model inputs.

No Student/Faculty Housing Variant/Sub-Alternative

As discussed in Chapter 2, *Project Description*, the primary differences between the Variant and the CEQA Proposed Project and the CEQA Reduced Density Alternative would be the amount of research and office uses and the number of student/faculty housing units as well as the number of residents, employees, and students. The general site plan and area of disturbance, as well as overall building square footage, would be the same as under either Build Alternative. Thus, the same construction activities proposed and evaluated under the CEQA Proposed Project and the CEQA Reduced Density Alternative would occur under the Variant. The intensity of construction for CEQA Proposed Project and the CEQA Reduced Density Alternative with or without the Variant would therefore be the same, except for architectural coatings. Because the Variant do not include residential construction during Phase 4, the total area with architectural coatings would be lower under the Variant. Only fugitive ROG emissions would be affected by the reduction in coated area. Accordingly, ROG emissions for the Variant were quantified by updating the CalEEMod runs for the CEQA Proposed Project and the CEQA Reduced Density Alternative with the buildout assumptions for the Variant (see Tables 3-8 and 3-9). The square footage of coated area was calculated using the methods described above for construction. As noted in the tables, only building square footages during Phase 4 for the research and residential

land use types differ from the CEQA Proposed Project and the CEQA Reduced Density Alternative. All other inputs would be the same. Refer to Appendix A for additional detail.

Table 3-8. Construction Phasing and Land Use Assumptions for the CEQA Proposed Project with the Variant

	Square Feet (unless otherwise stated)[a]				
Use Type (construction years)	Phase 1 (2026–2030)	Phase 2 (2030–2033)	Phase 3 (2033–2036)	Phase 4 (2036–2039)	Total[b] (2026–2039)
Research					
Office	110,000	110,000	70,000	85,000*	375,000*
Lab and R&D	445,000	445,000	250,000	340,000*	1,480,000*
Academic	85,000	85,000	50,000	55,000*	275,000*
Conference center	0	25,000	0	0	25,000
Active uses (retail)	15,000	35,000	20,000	20,000	90,000
Residential					
Short term	0	75,000	0	0	75,000
Student housing	0	0	0	0*	0*
Total building	**655,000**	**775,000**	**390,000**	**500,000**	**2,320,000**
Parking garage	0	0	555,000	525,000	1,080,000
Temporary surface parking	415,000	530,000	255,000	0	1,200,000
On-/off-site roads and utilities	2.7 miles	2.0 miles	1.3 miles	1.9 miles	8.0 miles

Source: Project Proponent 2025.
[a]. Underline values with an asterisk (*) indicate a change from the Build Alternative presented in Table 3-6.
[b]. Values are rounded to the nearest whole number.
R&D = research and development

Table 3-9. Construction Phasing and Land Use Assumptions for the CEQA Reduced Density Alternative with the Variant

Use Type (construction years)	Square Feet (unless otherwise stated)[a]				
	Phase 1 (2026–2030)	Phase 2 (2030–2033)	Phase 3 (2033–2036)	Phase 4 (2036–2039)	Total[b] (2026–2039)
Research					
Office	58,000	57,000	40,000	60,000*	215,000*
Lab and R&D	225,000	225,000	145,000	245,000*	840,000*
Academic	43,000	42,000	30,000	40,000*	155,000*
Conference center	0	25,000	0	0	25,000
Active uses (retail)	15,000	35,000	20,000	20,000	90,000
Residential					
Short term	0	75,000	0	0	75,000
Student housing	0	0	0	0*	0*
Total building	**341,000**	**459,000**	**235,000**	**365,000**	**1,400,000**
Parking garage	0	0	555,000	525,000	1,080,000
Temporary surface parking	415,000	530,000	255,000	0	1,200,000
On-/off-site roads and utilities	2.7 miles	2.0 miles	1.3 miles	1.9 miles	8.0 miles

Source: Project Proponent 2025.
[a]. Underline values with an asterisk (*) indicate a change from the Build Alternative presented in Table 3-7.
[b]. Values are rounded to the nearest whole number.
R&D = research and development

3.3.1.2 Operation

CEQA Proposed Project (NEPA Build Alternative 1) and the CEQA Reduced Density Alternative (NEPA Build Alternative 2)

Operations would generate criteria pollutant and ozone precursor emissions that could result in long-term air quality effects. Emissions would be generated from mobile, area, stationary, and fugitive sources.[24, 25] The methodologies used to estimate emissions from these sources resulting from operation of the project are described below. Refer to Appendix A for additional detail on the specific model inputs.

[24] The project includes an all-electric design; it would not generate criteria pollutants directly from electricity consumption. As discussed in Chapter 2, *Project Description*, gases (e.g., oxygen, carbon dioxide, nitrogen, natural gas) may be used by tenants for research purposes in laboratories within the Research and Office Uses. Some types of gas combustion (e.g., natural gas) can generate criteria pollutant emissions. The specific types and quantities of gases needed to support future research are not known; thus, any resulting emissions cannot be accurately quantified at this time. Any emissions generated by tabletop gas combustion are expected to be minor as these devices hold limited quantities of gas (e.g., 50 milliliters) and would be used sporadically for research purposes. The project does not include construction of any new natural gas infrastructure (only relocations and replacement).

[25] Implementation of either Build Alternative would remove 227 existing trees during construction and plant 1,283 new trees, resulting in the net addition of 1,056 trees. Trees can improve air quality by absorbing ozone, NO_2, and SO_2 and removing particulate matter. These air pollution benefits are conservatively excluded from the project analysis. Based on the modeling completed for Chapter 5, *Greenhouse Gases and Climate Change*, and presented in Appendix A, net average daily reductions are expected to range from 0.79 pound to less than 0.01 pound, depending on the pollutant.

- **Mobile Sources**. Mobile sources include vehicle trips made by employees, students, and visitors, along with those made to support operation of the project (e.g., delivery, vendor trips). Emissions from these mobile sources were evaluated with CalEEMod, which uses emission factors from EMFAC2021, along with estimates of vehicle miles traveled (VMT) and vehicle trips provided by the project transportation consultants (Tan pers. comm. [A]). The traffic data include all commute and delivery-related activity, based on travel demand modeling for the project. As discussed above in Section 3.3.1.1, *Construction*, CalEEMod has not yet been updated to incorporate CARB's adjustment factors for congressional disapproval of EPA's vehicle waivers. Accordingly, emissions of NO_X, ROG, PM_{10}, and $PM_{2.5}$ were separately quantified using the project-specific traffic data and emission factors from EMFAC2021 with the off-model adjustments per CARB's (2025d:5) guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for NO_X, ROG, PM_{10}, and $PM_{2.5}$.
- **Area Sources**. Area sources include landscaping equipment, consumer products, and the routine application of architectural coatings. CalEEMod default values for the land use types and building square footages were assumed, as shown in Tables 3-6 and 3-7.
- **Stationary Sources**. Twelve 670-horsepower diesel generators with Tier 4 Final engines would be installed at the Project Site to provide emergency power. In general, periodic testing would occur for about 3 hours per month at each generator. Twelve induced-draft cooling towers would also be installed on all building rooftops, except the parking structure. PM_{10} and $PM_{2.5}$ emissions from the cooling towers were quantified, based on the expected operating characteristics of towers, as provided by the Project Proponent, and guidance from the Air District (2021:193). Refer to Appendix A for the calculations.
- **Fugitive Sources**. Research activity in wet laboratories results in various VOC emissions from solvents and chemicals specific to the type of research being conducted. Evaporative VOC emissions associated with these facilities were estimated using emission factors developed for the UC Berkeley LRDP EIR (UC Berkeley 2021:D-38). The emission factors are expressed as per square foot of wet laboratory space per second and broken down by three general wet lab types (I – Chemistry and Chemical Engineering, II – General Biological Sciences, and III – Physical Sciences/Other). The specific wet lab types that would be developed under the project are currently not known. Accordingly, this analysis conservatively applies the highest per square footage VOC emissions rate among the three wet lab types for each of the VOC components. Per the project design guidelines, 15 percent of total lab space (assumed to be R&D) is considered "high intensity" or wet lab space with fume hoods. Thus, evaporative VOC emissions resulting from laboratories were quantified by multiplying the per-square-foot emission factors by 15 percent of the proposed R&D square footage, as shown in Tables 3-6 and 3-7. Refer to Appendix A for the calculations.

As discussed in Chapter 2, *Project Description*, the proposed project would incorporate various sustainability strategies. Most of these strategies target operational sources of GHG emissions, as discussed in Chapter 5, *Greenhouse Gases and Climate Change*, but reductions in criteria pollutants would also be achieved. For example, the proposed project would achieve, at a minimum, a Leadership in Energy and Environmental Design (LEED) Silver rating and exclude natural gas infrastructure for heating and cooking. The proposed design elements (e.g., pedestrian circulation improvements, bicycle circulation improvements and bicycle parking, TDM measures) would encourage alternative forms of transportation, which, in turn, would reduce mobile-source emissions. The operational air quality analysis accounts for an all-electric design (i.e., no natural gas) and VMT benefits from sustainable transportation, as quantified by the project transportation consultants.

Operational modeling was conducted for various years. For the purposes of analysis, full buildout was assumed to occur in 2040, which is the first year following completion of construction.
In addition, operational modeling was conducted for years that could overlap with construction. As discussed above in Section 3.3.1.1, *Construction,* and shown in Figure 3-1, partial building operation could begin in 2031, following completion of Phase 1. Accordingly, concurrent construction and partial operational activities would occur from 2031 through 2039, resulting in higher average daily and annual emissions than those of either component when analyzed separately. For purposes of analysis, partial operational emissions were quantified for the land uses constructed during the first three phases. Emissions were quantified for the first year following completion of construction for each phase and held constant for all future years through 2039. This approach is conservative because annual operational emissions for each phase are likely to decrease each year due to declining emissions rates from improvements in vehicle technologies and emission controls.

Utility Options (CEQA Proposed Project [NEPA Build Alternative 1])

Except for stationary sources, operational emissions with the utility options would be the same as described above for the CEQA Proposed Project. One additional emergency generator would be installed to support the CUP or WRF. Operational emissions for this additional generator were modeled using the same assumptions described above for the other project generators (i.e., 670-horsepower Tier 4 Final diesel engine operating up to 150 hours per year). Under the CUP Option, eight cooling towers would be located on the rooftop of the Subarea 6 parking garage instead of throughout the Project Site. PM_{10} and $PM_{2.5}$ emissions from the cooling towers were quantified using the same methods described above for the CEQA Proposed Project. The WRF would begin operation after completion of Phase 4 (2040); the CUP would begin operation after completion of Phase 3 (2037).

No Student/Faculty Housing Variant/Sub-Alternative

Operational emissions under the Variant were modeled using the same technical methods described above for the CEQA Proposed Project and the CEQA Reduced Density Alternative. The following revisions were made to the model inputs for the CEQA Proposed Project and the CEQA Reduced Density Alternative to reflect the unique operating characteristics of the Variant. Because the shift from housing to research square footage under the Variant would not occur until Phase 4, there would be no difference in operational activity relative to the CEQA Proposed Project prior to full-build conditions.

- **Mobile Sources**. Shifting 75,000 square feet from residential to research results in slightly greater VMT. This is because research land uses have higher average trip generation rates compared to residential land uses. Fehr & Peers provided VMT and vehicle trip data specific to the Variant/Sub-Alternatives for input into CalEEMod (Tan pers. comm. [A]).
- **Area Sources**. Shifting 75,000 square feet from residential to research results in slightly lower architectural coating use rates. This is because research uses have a lower application rate compared to residential uses, as discussed above for the analysis of construction emissions. Fugitive VOC emissions from architectural coatings for the Variant were modeled using the CalEEMod defaults and building square footages shown in Tables 3-8 and 3-9. Consumer product use and landscaping activity, as well as associated emissions, would be the same as under the CEQA Proposed Project and the CEQA Reduced Density Alternative.

- **Stationary Sources**: One additional emergency generator would be installed to support additional research and lab space. Operational emissions from this additional generator were modeled using the same assumptions described above for the CEQA Proposed Project and the CEQA Reduced Density Alternative. Cooling tower operations and associated emissions would be the same as under the CEQA Proposed Project and the CEQA Reduced Density Alternative.
- **Fugitive Sources**. Shifting 75,000 square feet from residential to research results in higher VOC emissions from wet labs. Emissions were quantified by multiplying the per-square-foot emission factors by 15 percent of the proposed R&D square footage, as shown in Tables 3-8 and 3-9.

CEQA No-Project Alternative (Existing Conditions)

The Project Site currently includes 18 buildings that would be removed by the proposed project. Table 3-10 summarizes the building types, their square footage, and their operational status under existing conditions.

Table 3-10. On-site Building Inventory under Existing Conditions

Building Number	Use	Square Footage	Current Status
104	Utility (westside substation)	n/a[a]	Operational
503	Industrial (manufacturing and protype facility)	7,240	Operational
529	Storage	2,640	Operational
554	Industrial (technology facility)	27,493	Operational
555	Office (administration)	5,270	Operational
556	Office (industry partners)	10,436	Operational
107	Office (former Navy Resident Officer in Charge of Construction building)	1,766	Not operational
108[b]/109	Recreational (former pool dressing rooms)	5,296	Not operational
526	Storage	640	Not operational
543	Research lab	9,460	Not operational
547E	Lodging (former dormitories)	19,900	Not operational
583A	Lodging (former NASA Exchange Lodge)	30,900	Not operational
583C	Office (administration)	13,140	Not operational
596	Retail (former convenience store)	4,784	Not operational
148	Lodging (former barracks)	15,785	Not operational
149	Lodging (former barracks)	16,013	Not operational
944	Recreational (former recreation center)	14,794	Not operational

Source: UC Berkeley 2025.
Notes:
sf = square feet; n/a = not available
a. Building 104 is an electrical substation that is currently in use but does not contain occupiable space.
b. Building 108 is a vacant outdoor swimming pool and is not a building.

Buildings that are not in operation do not generate emissions. Of the operational buildings, the westside substation would not include any sources of criteria pollutants. The remaining five operational buildings on the Project Site would generate criteria pollutants from mobile, energy, and area sources. Emissions from energy and area sources were quantified using CalEEMod defaults for building land use type and square footage, as shown in Table 3-10. Emissions from mobile sources were quantified using CalEEMod as well as VMT and vehicle trip data from Fehr & Peers. All existing emissions were modeled under 2024 operating conditions.

NEPA No-Action Alternative

The same six buildings identified in Table 3-10 would continue to operate under the NEPA No-Action Alternative.[26] The 12 buildings not currently in operation would be reoccupied in the future if the proposed project is not implemented. Accordingly, all 18 buildings shown in Table 3-10 are assumed operational under the NEPA No-Action Alternative.[27] Operational emissions for the buildings were estimated using CalEEMod and the assumptions described above. The NEPA No-Action Alternative was modeled under 2031, 2034, 2037 and 2040 operating conditions to enable comparison to partial project emissions and full-build project emissions. All four analysis years assume all 18 buildings shown in Table 3-10 are fully occupied and operational.

3.3.2 Thresholds of Significance

Council on Environmental Quality (CEQ) regulations (40 CFR Parts 1500–1508) provide the basis for evaluating project effects under NEPA. As described in Section 1508.27 of the regulations, the criteria regarding context and intensity are considered together when determining the severity of the change introduced by a project. For this analysis of air quality:

- *Context* includes existing conditions within the SFBAAB, including the regional attainment status, existing ambient air quality monitoring data, and applicable regulations, as established by EPA.
- *Intensity* is determined by assessing whether the project would conflict with implementation of applicable air quality plans or attainment of the federal ambient air quality standards.

Appendix G of the CEQA Guidelines provides the following considerations for the analysis of air quality impacts under CEQA; receptor exposure to substantial pollutant concentrations is assessed in Chapter 4, *Health Risk Analysis.*

- Conflict with or obstruct implementation of the applicable air quality plan
- Result in a cumulatively considerable net increase in any criteria pollutant for which the project region is in nonattainment under an applicable federal or State ambient air quality standard
- Result in other emissions (such as those leading to odors) that adversely affect a substantial number of people

[26] Note that Building 104 is an electric substation that does not contain occupiable space but is identified as a building in the on-site building count.

[27] Buildings 108 and 109 are identified as separate buildings in the on-site count, but Building 108 is an outdoor swimming pool. Building 109 includes the locker rooms.

The significance of air quality impacts under NEPA and CEQA is based largely on compliance with State and federal air quality standards as well as standards and plans developed by the Air District. The primary federal and State standards are the NAAQS and CAAQS, respectively. Both the NAAQS and CAAQS have been established to protect public health and welfare. The Air District is required to develop plans and control programs for attaining the State standards, which are generally more stringent than the corresponding federal standards and incorporate standards for additional pollutants. Therefore, the NAAQS and CAAQS, as well as standards and plans developed by expert air quality management agencies (e.g., EPA, CARB, Air District), provide appropriate thresholds for determining whether project-related emissions would result in a significant impact under NEPA or CEQA. The emissions thresholds applied to evaluate the significance of the level of impact are discussed in the sections that follow.

3.3.2.1 Conflict with Applicable Air Quality Plans

As discussed in Section 3.2, *Regulatory Setting*, the current air quality attainment plan for the SFBAAB is the 2017 Clean Air Plan. According to the Air District's *CEQA Air Quality Guidelines* (2023a:7-2), a determination of consistency with the 2017 Clean Air Plan should demonstrate that a project achieves the following:

- Supports the primary goals of the air quality plan
- Includes applicable control measures from the air quality plan
- Does not disrupt or hinder implementation of any air quality plan control measures

According to Air District guidance, a project would not conform to the applicable air quality plan (i.e., 2017 Clean Air Plan) and would therefore result in a significant impact under CEQA and an adverse effect under NEPA by not supporting the primary goals of the 2017 Clean Air Plan, including applicable control measures, or disrupting or hindering implementation of control measures from the 2017 Clean Air Plan.

3.3.2.2 Result in a Cumulatively Considerable Net Increase in Criteria Pollutants (CEQA only)

The Air District has developed recommended thresholds to evaluate whether a project's emissions would result in a cumulatively considerable adverse contribution to existing air quality conditions. The air basin is in nonattainment for ozone and $PM_{2.5}$, reflecting an existing significant cumulative impact. Because impacts from criteria pollutants are cumulative in nature, the project-level and cumulative impact thresholds are the same. If a project's net emissions are below the thresholds, the project would not be expected to result in a significant impact or a cumulatively considerable contribution to a significant cumulative impact. However, if any of the thresholds summarized in Table 3-11 are exceeded, net emissions generated by the project would result in a significant impact and make a cumulatively considerable contribution to significant cumulative impacts under CEQA. A net increase in emissions under CEQA is defined as predicted project emissions minus predicted emissions under existing conditions (CEQA No-Project/Existing Conditions Alternative).

Table 3-11. Air District Project-Level Regional Criteria Pollutant Thresholds

Pollutant	Construction	Operation
ROG	54 lb/day	54 lb/day or 10 tons/year

Pollutant	Construction	Operation
NO_X	54 lb/day	54 lb/day or 10 tons/year
PM_{10}	82 lb/day (exhaust) Best management practices (dust)	82 lb/day or 15 tons/year (total)
$PM_{2.5}$	54 lb/day (exhaust) Best management practices (dust)	54 lb/day or 10 tons/year (total)

Source: Air District 2023a:Table 3-1.
lbs = pounds; NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

The Air District's thresholds are based on the federal New Source Review program offset requirements. The Air District has determined that use of these offset requirements as thresholds of significance for criteria pollutants is an appropriate and effective means of promoting consistency in significance determinations within the environmental review process. Thus, the Air District's thresholds were set as the total emissions thresholds associated within the New Source Review program to help attain the NAAQS and CAAQS (Air District 2023a:A-46). Projects that exceed these thresholds could degrade regional air quality in the SFBAAB and contribute to unhealthy air quality conditions (Air District 2023a:5–10). Additional context on potential health outcomes of regional criteria pollutants generated by the project is presented in Section 3.3.3, *Impacts*.

3.3.2.3 Result in a Substantial Net Increase in Criteria Pollutants (NEPA only)

A substantial net increase under NEPA considers the General Conformity Rule *de minimis* levels (40 CFR Section 93.153). A net increase in emissions under NEPA is defined as predicted project emissions minus predicted emissions under the NEPA No-Action Alternative. Net emissions more than the *de minimis* levels indicates that the project could impede regional attainment of the federal ambient air quality standards and result in an adverse effect under NEPA. The applicable *de minimis* levels are summarized in Table 3-12.

Table 3-12. Applicable Federal *de minimis* Levels (tons per year)[a, b]

Air Basin	ROG[c]	NO_X	$PM_{2.5}$	SO_2
SFBAAB	100	100	100	100

Source: 40 CFR Section 93.153.
[a] The project area is in a federal nonattainment (marginal) area for ozone and a federal nonattainment (moderate) for $PM_{2.5}$. Thus, *de minimis* levels are identified for ozone precursors (ROG and NOx) and $PM_{2.5}$. Although the project area is in attainment for SO_2, because SO_2 is a precursor of $PM_{2.5}$, the $PM_{2.5}$ general conformity *de minimis* level applies to SO_2.
[b] The project area is in a federal attainment area for PM_{10} and CO. Thus, there are no applicable *de minimis* levels.
[c] The General Conformity *de minimis* level is identified for volatile organic compounds (VOC), which is synonymous with ROG.
NO_X = nitrogen oxide; $PM_{2.5}$ = particulate matter that is 2.5 microns in diameter and smaller; ROG = reactive organic gases; SFBAAB = San Francisco Bay Area Air Basin; SO_2 = sulfur dioxide

3.3.2.4 Result in Odor Emissions

The Air District and CARB have identified several types of land uses as being commonly associated with odors, such as landfills, wastewater treatment facilities, and animal processing centers (Air

District 2023a:Table 5-4; CARB 2005:1–4). The Air District's *CEQA Air Quality Guidelines* (2023a:Table 3-1) further defines a significant odor impact as five confirmed odor complaints per year averaged over 3 years. Exceedances of these thresholds would result in a significant impact under CEQA and an adverse effect under NEPA.

3.3.3 Impacts

3.3.3.1 CEQA No-Project/Existing Conditions Alternative and NEPA No-Action Alternative

Under the CEQA No-Project/Existing Conditions Alternative, the CEQA Proposed Project and the CEQA Reduced Density Alternative would not be constructed. The on-site buildings that are currently operational would continue to be operational. There would be no changes to criteria pollutant emissions in the study area beyond those from already planned construction and development. Because the project would not be implemented, no construction activity or emissions would occur. The on-site buildings that are currently operational would continue to be operational and generate criteria pollutants.

Under the NEPA No-Action Alternative, the proposed action would not be constructed and operated at the Project Site. However, the on-site buildings that are currently operational would continue to be operational, and the on-site buildings that are currently vacant would be reoccupied. This analysis assumes that reoccupying the existing buildings would not require construction activity.

Table 3-13 shows CEQA No-Project/Existing Conditions Alternative and future NEPA No-Action Alternative emissions. An impact would occur if the CEQA No-Project/Existing Conditions Alternative would conflict with the goals of the 2017 Clean Air Plan. The CEQA No-Project/Existing Conditions Alternative and NEPA No-Action Alternative would also result in an impact if emissions would exceed the Air District or federal *de minims* thresholds, respectively. As shown in Table 3-13, operational emissions under the CEQA No-Project/Existing Conditions Alternative and NEPA No-Action Alternative would not exceed any analysis thresholds. However, without the proposed project, the existing Project Site would remain underutilized and underdeveloped. The Plan Bay Area 2050 Final Blueprint Growth Geographies identifies the Project Site within a Transit-Rich Area and High Resource Area. These areas are intended to improve the region's ability to meet challenging emission reduction, housing, and equity requirements. Failing to develop the Project Site consistent with this development potential would conflict with the transportation goals of 2017 Clean Air Plan, which target investment in transit priority sites, such as the Project Site. The 2017 Clean Air Plan is the Air District's current air quality attainment plan and includes strategies for attaining and maintaining State and federal ambient air quality standards. Thus, the CEQA No-Project/Existing Conditions Alternative and NEPA No-Action Alternative would not contribute to improvements in regional air quality or attainment goals.

Table 3-13. Estimated Average Daily and Annual Criteria Pollutant Emissions under Existing Conditions and NEPA No-Action Alternative[a]

	Average Daily (pounds per day)				Annual (tons per year)				
Source	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	SO_2
CEQA No-Project/Existing Conditions Alternative (existing 2024)									
Mobile	0.4	0.3	0.6	0.2	0.1	0.1	0.1	< 0.1	< 0.1
Area	1.5	< 0.1	< 0.1	< 0.1	0.3	< 0.1	< 0.1	< 0.1	< 0.1
Energy	< 0.1	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Total	1.9	0.6	0.7	0.2	0.3	0.1	0.1	< 0.1	< 0.1
Air District Threshold[c]	54	54	82	54	10	10	15	10	—
NEPA No-Action Alternative (2040)									
Mobile	2.8	2.2	6.7	1.7	0.5	0.4	1.2	0.3	< 0.1
Area	5.0	< 0.1	< 0.1	< 0.1	0.9	< 0.1	< 0.1	< 0.1	< 0.1
Energy	0.1	1.3	0.1	0.1	< 0.1	0.2	< 0.1	< 0.1	< 0.1
Total	7.9	3.5	6.8	1.8	1.4	0.6	1.2	0.3	< 0.1
de minimis Level[d]	—	—	—	—	100	100	—	100	100

Source: Appendix A

Note: As discussed in Section 3.3.1.2, *Operation*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has not developed adjustment factors for SO_2 for EMFAC2021, and emissions of this pollutant may be greater than presented in this table. Application of the adjustment factors across all operational analyses for the project resulted in a less than 1 percent to 22 percent increase in mobile-source emissions, depending on the analysis year and pollutant (i.e., ROG, NO_X, or PM). It is reasonable to conclude removal of the regulations may affect estimated SO_2 emissions by the same magnitude. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Exceedances of thresholds (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c. In developing the thresholds, the Air District considered levels at which project emissions would be cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

d. The *de minimis* levels drawn from 40 CFR Section 93.153 are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor to $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases; SO_2 = sulfur dioxide; — = no threshold

3.3.3.2 CEQA Proposed Project (NEPA Build Alternative 1)

Project-Level Impacts

Impact AIR-1. Conflict with or Obstruct Implementation of the Applicable Air Quality Plan

The CAA requires a SIP or an air quality control plan to be prepared for areas where air quality violates the NAAQS. The most recently adopted air quality control plan for the SFBAAB is the Air District's 2017 Clean Air Plan. The 2017 Clean Air Plan does not include control measures that apply directly to individual development projects. Rather, the Air District and its partner agencies work collaboratively to implement measures across the following sectors: stationary sources, transportation, energy, buildings, agriculture, natural and working lands, waste management, water, and super-GHG pollutants (Air District 2017a:5-3).

As discussed in Section 3.3.2, *Thresholds of Significance*, the Air District's *CEQA Air Quality Guidelines* outline three criteria for determining project-level consistency with the 2017 Clean Air Plan. The criteria are assessed below.

Criteria 1 – Does the project support the primary goals of the air quality plan?

The 2017 Clean Air Plan includes two primary goals:

- **Protect Air Quality and Health at the Regional and Local Scale**: Attain all State and national air quality standards and eliminate disparities among Bay Area communities in the cancer health risk from TACs.
- **Protect the Climate**: Reduce Bay Area GHG emissions to 40 percent below 1990 levels by 2030 and 80 percent below 1990 levels by 2050.

The proposed project would redevelop a site with largely vacant buildings and densify the area through the construction of multi-story R&D, academic, and residential buildings. The Project Site is an infill site, as defined by Public Resources Code Section 2109(a)(4) as a lot located within an urban area that has been previously developed or a vacant site where at least 75 percent of the perimeter of the site adjoins or is separated by only an improved public right-of-way from parcels that are developed with qualified urban uses. Furthermore, the project is in a Transit Priority Area (TPA), which is defined by Public Resources Code Section 21099(a)(7) as an area within 0.5 mile of an existing or planned major transit stop, if the planned stop is scheduled to be completed within the planning horizon included in a Transportation Improvement Program or applicable regional plan. The nearest transit stop (Bayshore/NASA Santa Clara Valley Transportation Authority [VTA] light rail station) is within 0.5 mile, providing convenient public transit access for future employees and residents.

The proposed project would incorporate various sustainability strategies that would help protect air quality, human health, and the climate. Sustainability concepts of the proposed project are discussed further in Chapter 2, *Project Description*. These concepts would be achieved through implementation of individual sustainability strategies to reduce energy consumption, water consumption, and waste generation. Key sustainability strategies are discussed further below under Criteria 2 in Table 3-14. Refer to Section 5.3.3, *Impacts*, for additional discussion on how the project supports the Bay Area's GHG reduction goals.

Although the project design and sustainability features are consistent with the overarching goals of the 2017 Clean Air Plan, buildout of the project would result in operational ROG and PM_{10} emissions above the Air District's thresholds (refer to Impact AIR-2a). Although exceedances of the Air District's thresholds do not specifically correlate to project-level violations of CAAQS, they do indicate that the project would result in a cumulatively considerable increase in regional pollution in the SFBAAB. This additional pollutant load may hinder the Air District's ability to attain the CAAQS at the air basin level. As discussed in Chapter 4, *Health Risk Analysis*, Section 4.3.7, *Impacts*, the project would also result in new sources of TACs and $PM_{2.5}$ that could expose receptors to additional health risks during construction and long-term operation. Given that the project census tract is a State-designated low-income community (Assembly Bill [AB] 1550), these additional risks may hinder the Air District's ability to eliminate health disparities among Bay Area communities. Accordingly, the CEQA analysis conservatively finds that implementation of the project would not support the primary goals of the 2017 Clean Air Plan.

Under NEPA, substantial increases in criteria air pollution that could conflict with regional attainment of the NAAQS at the air basin level are assessed relative to the federal *de minimis* levels. Impact AIR-2b indicates that neither construction nor long-term operation of the project would exceed these thresholds. Accordingly, on the basis of the project's design and sustainability features, as well as attainment of the federal *de minimis* levels, the NEPA analysis finds that implementation of the project would support the criteria pollutant goals of the 2017 Clean Air Plan with respect to federal standards. Likewise, Impact GHG-1 in Chapter 5, *Greenhouse Gases and Climate Change*, demonstrates that the proposed action would not result in a substantial increase in GHG emissions. However, as noted above, the project would result in new sources of TACs and $PM_{2.5}$ that could expose receptors to additional health risks during construction and long-term operation. Accordingly, the NEPA analysis conservatively finds that implementation of the project would not support the community health goals of the 2017 Clean Air Plan.

Criteria 2 – Does the project include applicable control measures from the air quality plan?

The 2017 Clean Air Plan recognizes that community design dictates individual travel mode and that a key long-term control strategy to reduce emissions of criteria pollutants, air toxics, and GHGs from motor vehicles is to channel future Bay Area growth into vibrant urban communities where goods and services are co-located and people have a range of viable transportation options. To that end, the 2017 Clean Air Plan includes control measures that are aimed at reducing air pollution in the SFBAAB. Table 3-14 summarizes project consistency with applicable control measures identified in the 2017 Clean Air Plan (grouped by sector).

Table 3-14. Proposed Project Consistency with Applicable Control Measures of the 2017 Clean Air Plan

Sector	Consistency Analysis
Stationary Sources	Control measures in this sector target primarily individual stationary source categories (e.g., boilers), most of which are not applicable to the project. New stationary sources of emissions associated with the project include emergency generators, cooling towers, and, to the extent they include permitted equipment, laboratories. Stationary sources are regulated directly by the Air District. New stationary sources installed under the project would comply with all applicable Air District rules and regulations; this includes securing required permits. Thus, implementation of the project would not conflict with control measures within the Stationary Source sector.

Sector	Consistency Analysis
Transportation	Control measures in this sector focus on reducing vehicle trips and VMT by promoting active transportation and high-quality transit, improving traffic congestion, and transitioning the vehicle fleet from high-emitting vehicles to zero-emissions vehicles. The project includes numerous design elements (e.g., pedestrian circulation improvements, bicycle circulation improvements and bicycle parking, TDM measures) that would reduce VMT and encourage alternative forms of transportation. As noted above under Criteria 1, the site is within 0.5 mile of the Bayshore/NASA VTA light rail station and within walking and biking distance. The project would meet the CALGreen Tier 2 nonresidential voluntary requirement for electric-vehicle (EV) parking (i.e., as of 2025, 45 percent of all spaces to be EV capable and 33 percent of the EV spaces to have EV supply equipment). Thus, implementation of the project would not conflict with control measures within the Transportation sector.
Energy	Control measures in this sector focus on decarbonization and promoting energy efficiency and conservation. The project would install photovoltaic systems as a strategy for generating power on-site and offsetting the energy use from each proposed building. The proposed building design would respond to the climate by optimizing thermal comfort through passive cooling and windbreaks and prioritizing daylight within floor plates buildings and outdoor spaces. These design elements would increase use of renewable energy and promote energy efficiency and conservation. Thus, implementation of the project would not conflict with control measures within the Energy sector.
Buildings	Control measures in this sector target improved energy efficiency, an all-electric building design, and net-zero GHG buildings. In addition to the design features noted above in the Energy sector, the project would achieve, at a minimum, a LEED Silver rating. The project would also have an all-electric design for new building systems (e.g., HVAC, mechanical). These design elements would result in buildings that outperform the current 2022 California Building Energy Title 24 energy efficiency standards. Thus, implementation of the project would not conflict with control measures within the Building sector.
Agriculture	The project does not include farming or agriculture. Therefore, implementation of the project would not conflict with control measures within the Agriculture sector.
Natural and Working Lands	Control measures in this sector focus on increasing carbon sequestration and promoting urban tree planting. Although construction would require removal of 227 trees, the project would plant approximately 1,283 new trees. These trees would increase carbon sequestration and provide shade to reduce urban heat-island effects. Thus, implementation of the project would not conflict with control measures within the Natural and Working Lands sector.
Waste Management	Control measures in this sector focus on methane capture (at waste management facilities) and waste diversion away from landfills through efforts to reduce, reuse, and recycle. The project includes color-coded receptables to separate waste by stream (landfill, recycle, compost), smart waste collection bins to encourage proper disposal of waste, waste compaction equipment to reduce the volume of waste, and textile recycle and cardboard take-back programs. Through these design elements, the project would divert more than 85 percent of waste from landfills. Thus, implementation of the project would not conflict with control measures within the Waste sector.
Water	Control measures in this sector focus on reducing emissions from water treatment facilities and increasing water conservation. The project would incorporate potable water conservation features (e.g., low-flow flush-and-flow

Sector	Consistency Analysis
	fixtures for indoor water use), a drip irrigation system, and drought-friendly and ecologically appropriate plantings. In addition, the on-site recycled water system would serve the proposed buildings and irrigated areas. Thus, implementation of the project would not conflict with control measures within the Water sector.
Super-GHG Pollutants	Control measures in this sector focus on reducing SLCPs on a sector-by-sector basis (e.g., agriculture, oil refineries, refrigerants). Centrifugal chillers installed in project buildings would be charged with R-513a, and air-source heat pumps would be charged with R-545b. R-513a and R-545b are considered substances with low GWP and replacements for HFCs with high GWP. Thus, implementation of the project would not conflict with control measures within the Super-GHG Pollutants sector.

CALGreen = California Green Building Standards Code; EV = electric vehicle; GWP = global warming potential; HFC = hydrofluorocarbons; HVAC = heating, ventilation, and air-conditioning; LEED = Leadership in Energy and Environmental Design; NASA = National Aeronautics and Space Administration; SLCP = short-lived climate pollutants; TDM = transportation demand management; VMT = vehicle miles traveled; VTA = Santa Clara Valley Transportation Authority

Criteria 3 – Does the project disrupt or hinder implementation of any air quality plan control measures?

The proposed project does not hinder implementation of any control measures in the 2017 Clean Air Plan (see Table 3-14). At the project-level, the following control measures are directly applicable to the project: TR2-Trip Reduction Programs, TR9-Bicycle and Pedestrian Access and Facilities, EN2-Decrease Electricity Demand, BL1-Green Buildings, BL-2 Decarbonize Buildings, NW2-Urban Tree Planting, WA3-Green Waste Diversion, WA4-Recycleing and Waste Reduction, and WR2-Support Water Conservation. Other control measures are not directly applicable to the project, such as those involving research and regional collaboration or those that are policies and practices for the Air District and/or its partner agencies to adopt. Although these types of measures are not applicable, the project would not hinder the measures from being implemented by the Air District or other agencies.

Conclusion

Based on the discussion above, the proposed project would incorporate all applicable control measures of the 2017 Clean Air Plan and would not disrupt or hinder implementation of any control measures. Although the NEPA analysis finds that the project would support the primary air quality goals of 2017 Clean Air Plan with respect to attainment of federal standards, the CEQA analysis finds that the project could impede protection of regional air quality under State standards. Both the NEPA and CEQA analyses find that the project would support regional climate goals, but would not support elimination of health disparities. Thus, the proposed project would obstruct implementation of the 2017 Clean Air Plan. Mitigation Measures AQ-1 through AQ-7, HAZ-1, GHG-1, and TRAN-1, as described below under Impact AIR-2a, are required to address the CEQA air quality inconsistency. As discussed further under Impact AIR-2a, there is no feasible mitigation beyond these measures and the project design features to reduce operational ROG and PM_{10} emissions below the Air District's thresholds. Health risks and $PM_{2.5}$ concentrations are likewise assumed to exceed the Air District's thresholds after the incorporation of project design features and Mitigation Measures AQ-1 through AQ-3, GHG-1, HAZ-1, HRA-1, HRA-2, and TRAN-1 (refer to Chapter 4). Accordingly, conflicts with the 2017 Clean Air Plan would remain under CEQA (air quality and health risks) and NEPA (health risks), even after implementation of mitigation.

Mitigation Measure AQ-1. Electric Equipment and Emissions Controls for Off-Road Diesel Engines during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-2. Zero-Emission On-Road Vehicles during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-3. Fugitive Dust Control

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-4. Low-VOC Coatings during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-5. Low-VOC Non-Residential Coatings and Cleaning Supplies during Operations

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-6. Electric Landscaping Equipment during Operations

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-7. Offset Combined Construction and Net Partial Operational ROG and PM_{10} Emissions

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure HRA-1. Enhanced Dust Control

Refer to measure description in Section 4.3.7.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure HRA-2. Promote Safe Work Practices to Limit Emissions Exposure During Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure HAZ-1. Implement the Environmental Issues Management Plan

See discussion for the CEQA Proposed Project under Impact CEQA-HAZ-1 in Section 3.9, Haz*ards and Hazardous Materials*, of this joint EIR/EIS.

Mitigation Measure GHG-1. Best Management Practices for Construction-Related GHG Emissions

Refer to measure description in Section 5.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure TRAN-1. Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Impact AIR-2a. Result in a Cumulatively Considerable Net Increase in any Criteria Pollutant for which the Project Region is in Nonattainment under an Applicable Federal or State Ambient Air Quality Standard (CEQA Impact Only)

Santa Clara County does not currently attain the NAAQS or CAAQS for ozone and $PM_{2.5}$ or the CAAQS for PM_{10}. The impact analysis focuses on these pollutants or their precursors during construction and operation of the CEQA Proposed Project. It evaluates regional air quality impacts under CEQA using the Air District's thresholds shown in Table 3-11 in Section 3.3.2.2, *Result in a Cumulatively Considerable Net Increase in Criteria Pollutants (CEQA only)*. Refer to Impact AIR-2b for the NEPA effects analysis of regional criteria pollutant emissions.

Construction

Construction of the CEQA Proposed Project has the potential to create short-term air quality impacts through the use of heavy-duty construction equipment, construction workers' vehicle trips, on-road truck trips, paving operations, and the application of architectural coatings. In addition, fugitive dust emissions would result from removal of the existing structures and earthmoving activities. Emissions may vary substantially over the construction duration, depending on the level of activity, length of the individual construction activity, the types of equipment, number of personnel, and soil moisture content.

Construction-related emissions for the CEQA Proposed Project have been calculated using the methods described in Section 3.3.1.1, *Construction*. Table 3-15 summarizes the results of the modeling. Emissions are presented for each year of construction to capture the sum of emissions from the multiple activity categories occurring within the same year. Emissions are compared to the Air District's project-level thresholds to determine significance under CEQA.

Table 3-15. Estimated Average Daily Unmitigated Criteria Pollutant Emissions from Construction of the CEQA Proposed Project[a]

	Average Daily (pounds per day)[b]			
Year	ROG	NO_X	PM_{10} (exhaust)	$PM_{2.5}$ (exhaust)
2026	7	**73**	3	3
2027	10	**89**	3	3
2028	9	**84**	2	2
2029	11	**78**	2	2
2030	21	52	1	1
2031	15	**139**	4	3
2032	20	**183**	4	4

	Average Daily (pounds per day)[b]			
Year	ROG	NO_X	PM_{10} (exhaust)	$PM_{2.5}$ (exhaust)
2033	30	**101**	2	2
2034	8	**85**	2	2
2035	25	**89**	2	2
2036	15	48	1	1
2037	10	**102**	2	2
2038	28	**108**	2	2
2039	19	52	1	1
Air District Threshold[c]	54	54	82	54

Source: Appendix A

Note: As discussed in Section 3.3.1.1, *Construction*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. Appendix B provides emission results for the table without the regulatory adjustments.

[a.] Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** and underline.

[b.] Presents the average emissions estimate during a single day of construction in each year.

[c.] In developing the thresholds, the Air District considered levels at which project emissions would be cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA. The Air District also considers fugitive dust emissions significance without application of best management practices (BMPs).

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-15 indicates that construction of the CEQA Proposed Project would exceed the Air District's average daily NO_X threshold in all years except 2030, 2036, and 2039. These are transition years where construction activity from one major phase winds down and the activity for another phase begins to ramp up. Fugitive dust emissions would be uncontrolled prior to mitigation and thus conflict with the Air District's fugitive dust threshold. There would be no exceedances of the Air District's ROG, PM_{10} (exhaust), or $PM_{2.5}$ (exhaust) thresholds.

NO_X emissions are associated primarily (about 90 to 95 percent, depending on the year) with the use of heavy-duty off-road equipment. More off-road equipment would be required during Phases 2 and 4 because more buildings would be constructed during these phases (see Appendix A). Concurrent construction of the buildings and use of the additional off-road equipment, combined with other emission sources (e.g., haul trucks), would result in the exceedances shown in Table 3-15.

Implementation of Mitigation Measures AQ-1 and AQ-2 would be required to reduce NO_X emissions from off-road equipment and on-road vehicles, respectively. Mitigation Measure AQ-1 would require electrification of lifts, welders, air compressors, and mini-excavators. These types of equipment are commonly electrified and used during the "vertical construction" and "architectural coatings" sub-phases, which contribute substantially to unmitigated NO_X emissions. Electrified equipment does not generate criteria pollutants directly. Measure AQ-1 further specifies that all other types of off-road equipment with diesel engines greater than 25 horsepower must use Tier 4 Final engines. Off-road equipment with engines less than 25 horsepower will be required to use renewable diesel fuel. Mitigation Measure AQ-2 would minimize on-road exhaust emissions (including NO_X) through performance standards for use of ZEVs. Mitigation Measure AQ-3 is required to comply with the Air District's basic fugitive dust control measures. Actions undertaken pursuant to Mitigation Measure HAZ-1 to comply with the Environmental Issues Management Plan (EIMP) would likewise help

minimize dust, and the measure is therefore to address air quality impacts. Although unmitigated ROG emissions are not predicted to exceed the Air District's threshold (see Table 3-15), Mitigation Measure AQ-4 would also be required during construction to address overlapping construction and partial operational emissions, which are assessed further below. Mitigation Measure GHG-1 in Chapter 5, *Greenhouse Gases and Climate Change*, would achieve additional criteria pollutant reductions through requirements for idling limitations, local sourcing of materials, and other best management practices (BMPs).

Table 3-16 summarizes estimated construction emissions for the CEQA Proposed Project with implementation of Mitigation Measures AQ-1 and AQ-4. Mitigation Measures AQ-3 and HAZ-1 will control fugitive dust; they would not directly reduce ROG, NO_X, or PM exhaust. Although Mitigation Measure AQ-2 would reduce emissions from fossil-fuel vehicles, the reductions are not specifically quantified because the measure establishes fleetwide performance standards as opposed to individual vehicle mandates. Thus, construction contractors have flexibility in meeting the standards and can select various combinations of ZEVs and fossil-fuel vehicles across their fleets, based on commercial availability and cost effectiveness. Likewise, the emissions benefits of Mitigation Measure GHG-1 are not fully quantified for the reasons discussed in Chapter 5.

Table 3-16. Estimated Average Daily Mitigated Criteria Pollutant Emissions from Construction of the CEQA Proposed Project[a]

	Average Daily (pounds per day)[b]			
Year	ROG	NO_X	PM_{10} (exhaust)	$PM_{2.5}$ (exhaust)
2026	1	25	< 1	< 1
2027	3	20	1	1
2028	2	11	< 1	< 1
2029	3	10	< 1	< 1
2030	8	12	< 1	< 1
2031	4	30	1	1
2032	5	22	1	1
2033	11	16	< 1	< 1
2034	2	21	1	< 1
2035	10	16	< 1	< 1
2036	6	12	< 1	< 1
2037	3	26	1	1
2038	10	17	< 1	< 1
2039	7	5	< 1	< 1
Air District Threshold[c]	54	54	82	54

Source: Appendix A

Note: As discussed in Section 3.3.1.1, *Construction*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Emissions results include Mitigation Measures AQ-1 and AQ-4. Mitigation Measures AQ-2 and HAZ-2 are not quantified; Mitigation Measure GHG-1 is partially quantified (off-road engine controls). Mitigation Measures AQ-3 and HAZ-1 would not reduce ROG, NO_X, or PM exhaust emissions. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** and <u>underline</u>.

b. Presents the average emissions estimate during a single day of construction in each year.

[c.] In developing the thresholds, the Air District considered levels at which project emissions would be cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA. The Air District also considers fugitive dust emissions significance without application of BMPs.

$PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases; NO_X = nitrogen oxides.

Table 3-16 indicates that construction of the CEQA Proposed Project would not exceed the Air District's average daily NO_X threshold with implementation of Mitigation Measure AQ-1. Mitigation Measures AQ-2 and GHG-1 would achieve additional NO_X reductions beyond those shown in the table. Mitigation Measures AQ-3 and HAZ-1 ensure compliance with the Air District's fugitive dust control threshold. Implementation of Mitigation Measure AQ-4 would further reduce ROG emissions from architectural coatings. The Air District's thresholds were established to prevent emissions from new projects in the SFBAAB from contributing to violations of the NAAQS and CAAQS. Because mitigated construction emissions would not exceed the Air District's thresholds, the CEQA Proposed Project would not result in cumulatively considerable increase to regional pollution in the SFBAAB.

Mitigation Measure AQ-1. Electric Equipment and Emissions Controls for Off-Road Diesel Engines during Construction

All project contractor(s) must use electric-powered lifts (including aerial, scissor, and man), welders, air compressors, and mini-excavators. Diesel- or fossil-fuel-powered lifts, welders, air compressors, and mini-excavators during construction are prohibited. The Project Proponent shall verify that the requirement to use electric versions of these equipment types is identified in construction bids and on architectural plans.

All other types of off-road equipment (i.e., non-lifts, welders, air compressors, and mini-excavators) with diesel engines greater than 25 horsepower must use EPA-certified Tier 4 Final engines. This mandate does not preclude use of engines that meet certification standards more stringent than Tier 4 Final, if commercially available at the time of construction. A copy of each unit's certified tier specification, emissions rating, and any required CARB permit or Bay Area Air District operating permit shall be made available to NASA at the time of mobilization of each piece of equipment.

All other types of off-road equipment with diesel engines less than 25 horsepower (i.e., non-Tier 4) shall be required to use renewable diesel fuel that meets the most recent ASTM D975 specification for ultra-low sulfur diesel and has a carbon intensity no greater than 50 percent of diesel with the lowest carbon intensity among petroleum fuels sold in California. Each project contractor shall provide NASA with annual reports of renewable diesel purchase records and equipment fuel consumption. Pursuant to the In-Use Off-Road Diesel-Fueled Fleets Regulation (In-Use Regulation), contractors shall also be required to submit to CARB an affirmation that the fleet complied with the renewable diesel mandate in each year that annual reporting is required under the In-Use Regulation.

Mitigation Measure AQ-2. Zero-Emission On-Road Vehicles during Construction

All project contractor(s) must achieve the following minimum zero-emission on-road vehicle performance standards, as commercially and financially available and feasible at the time of construction (i.e., within 100 miles of the Project Site and equivalent powered and capable zero-emission vehicle can cost no more than 50 percent more (1.5 times) than its internal combustion counterpart). The standards must be achieved based on the total number of vehicles onsite used to construct the proposed project over the duration of each contract. The Project

Proponent shall verify that the performance standards are identified in construction bids and on architectural plans.

- 25 percent zero-emission light-duty on-road vehicles (e.g., passenger cars, light-duty trucks) associated with Phases 1 and 2 (e.g., on-site vehicles, contractor vehicles).
- 50 percent zero-emission light-duty on-road vehicles (e.g., passenger cars, light-duty trucks) associated with Phases 3 and 4 (e.g., on-site vehicles, contractor vehicles).
- 25 percent zero-emission heavy-duty on-road vehicles associated with Phases 1 and 2 (e.g., for hauling, material delivery and soil import/export).
- 50 percent zero-emission heavy-duty on-road vehicles associated with Phases 3 and 4 (e.g., for hauling, material delivery and soil import/export).

Mitigation Measure AQ-3. Fugitive Dust Control

All project contractor(s) shall be required to comply with the Air District's current basic control measures for fugitive dust. The Air District's current basic control measures are drawn from their 2023 CEQA Guidelines, Table 5-2, and are identified below. Compliance with the following control measures is required by the Spring 2026 project-specific Environmental Issues Management Plan and shall be identified in construction bids.

- All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, unpaved access roads) shall be watered two times per day.
- All haul trucks transporting soil, sand, or other loose material off-site shall be covered.
- All visible mud or dirt trackout onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
- All vehicle speeds on unpaved roads shall be limited to 15 miles per hour.
- All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.
- All excavation, grading, and/or demolition activities shall be suspended when average wind speeds exceed 20 miles per hour.
- All trucks and equipment, including their tires, shall be washed off prior to leaving the site.
- Unpaved roads providing access to sites located 100 feet or further from a paved road shall be treated with a 6- to 12-inch layer of compacted layer of wood chips, mulch, or gravel.
- Publicly visible signs shall be posted with the telephone number and name of the person to contact at the lead agency regarding dust complaints. This person shall respond and take corrective action within 48 hours. The Air District's General Air Pollution Complaints number shall also be visible to ensure compliance with applicable regulations.

Mitigation Measure AQ-4. Low-VOC Coatings during Construction

All project contractor(s) must use certified (e.g., Greenguard or Green Seal) low-volatile organic compound (VOC) paints (i.e., less than 50 grams per liter of VOC) or, when feasible, no-VOC paints (i.e., less than 5 grams per liter of VOC) during construction. The Project Proponent shall verify that the requirement to use low-VOC (and/or no-VOC) paints is identified in construction bids and on architectural plans.

Mitigation Measure GHG-1. Best Management Practices for Construction-Related GHG Emissions

Refer to measure description in Chapter 5, *Greenhouse Gases and Climate Change*, Section 5.3.3, *Impacts*, under Impact GHG-1.

Mitigation Measure HAZ-1. Implement the Environmental Issues Management Plan

Refer to measure description under Impact CEQA-HAZ-1 for the CEQA Proposed Project in Section 3.9, *Hazards*, of the joint EIR/EIS.

Full Operations

Operation of the CEQA Proposed Project has the potential to create long-term air quality impacts through the generation of emissions from mobile, area, fugitive, and stationary sources. Emissions resulting from these sources were quantified according to the methods summarized in Section 3.3.1.2, *Operation.* Table 3-17 summarizes the results of the modeling. Emissions are presented under 2040 full-build conditions, which assumes all buildings developed under the project are fully occupied immediately following construction. Total emissions under existing (2024) conditions are also presented; refer to Table 3-13 for additional detail. The net increase in operational emissions of the CEQA Proposed Project is determined by subtracting existing (2024) operational emissions from the project's estimated operational emissions at full buildout. The net emissions are compared to the Air District's project-level thresholds to determine significance under CEQA.

Table 3-17 indicates that future net operational emissions under full-build conditions would exceed the Air District's daily and annual thresholds for ROG and PM_{10}. The project design includes several policies that will reduce operational criteria pollutant emissions. Emissions benefits achieved by all-electric design and sustainable transportation policies have been incorporated into the emissions modeling presented in Table 3-17.

Although sustainable project design features would reduce the severity of growth-oriented criteria pollutants by supporting energy efficient buildings and fostering active and alternative transportation, the CEQA Proposed Project would still generate ROG and PM_{10} emissions above the Air District's thresholds. ROG emissions would be primarily the result of consumer products, architectural coatings, and landscaping equipment (i.e., area sources). PM_{10} emissions would be primarily the result of private vehicle trips.

Implementation of Mitigation Measures AQ-5 and AQ-6 is required to reduce ROG emissions from area sources. Mitigation Measure AQ-5 would require, at a minimum, low-VOC paints and cleaning supplies for non-residential uses. Mitigation Measure AQ-6 would require use of zero-emission landscaping equipment over conventional gasoline-fueled counterparts. Implementation of Mitigation Measure AQ-5 would also reduce operational NO_X, PM_{10}, and $PM_{2.5}$ emissions. Mitigation

Measure TRAN-1 would require implementation of a mitigated TDM plan to further reduce trips and VMT.

Table 3-18 summarizes estimated emissions for the CEQA Proposed Project under full-build conditions with implementation of Mitigation Measures AQ-5, AQ-6, and TRAN-1.

Table 3-17. Estimated Average Daily and Annual Unmitigated Criteria Pollutant Emissions from Operation of the CEQA Proposed Project[a]

	Average Daily (pounds per day)				Annual (tons per year)			
Source	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]
Project (2040)								
Mobile	41.1	34.9	119.2	30.5	7.5	6.4	21.8	5.6
Area	68.3	0.6	0.1	0.1	12.5	0.1	< 0.1	< 0.1
Fugitive	7.7	< 0.1	< 0.1	< 0.1	1.4	< 0.1	< 0.1	< 0.1
Stationary	0.8	2.7	13.8	13.8	0.1	0.5	2.5	2.5
Total	117.9	38.1	133.1	44.4	21.5	7.0	24.3	8.1
Existing (2024)[c]	1.9	0.6	0.7	0.2	0.3	0.1	0.1	< 0.1
Net Change[d]	**116.0**	37.6	**132.4**	44.3	**21.2**	6.9	**24.2**	8.1
Air District Threshold[e]	54	54	82	54	10	10	15	10

Source: Appendix A

Note: As discussed in Section 3.3.1.2, *Operation*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c. Refer to Table 3-13 for emissions by source.

d. Total project (2040) emissions minus total existing (2024) emissions.

e. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-18. Estimated Average Daily and Annual Mitigated Criteria Pollutant Emissions from Operation of the CEQA Proposed Project[a]

	Average Daily (pounds per day)				Annual (tons per year)			
Source	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]
Project (2040)								
Mobile	38.0	32.2	110.2	28.3	6.9	5.9	20.1	5.2
Area	49.2 [c]	< 0.1	< 0.1	< 0.1	9.0	< 0.1	< 0.1	< 0.1
Fugitive	7.7	< 0.1	< 0.1	< 0.1	1.4	< 0.1	< 0.1	< 0.1
Stationary	0.8	2.7	13.8	13.8	0.1	0.5	2.5	2.5
Total	95.7	34.9	124.0	42.1	17.5	6.4	22.6	7.7
Existing (2024)[d]	1.9	0.6	0.7	0.2	0.3	0.1	0.1	< 0.1
Net Change[e]	**93.8**	34.3	**123.4**	41.9	**17.1**	6.3	**22.5**	7.6
Air District Threshold[f]	54	54	82	54	10	10	15	10

Source: Appendix A

Note: As discussed in Section 3.3.1.2, *Operation*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Emissions results include implementation of Mitigation Measures AQ-5, AQ-6, and TRAN-1. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c The mitigation analysis conservatively assumes only use of low-VOC paints (i.e., less than 50 grams per liter VOC), which is required, at a minimum, by Mitigation Measure AQ-5. The measure also requires no-VOC paints (i.e., less than 5 grams per liter of VOC) where locally (i.e., within 50 miles of the Project Site) and commercially available for the coating type. Where no-VOC paints are used, emissions would be less than presented above.

d. Refer to Table 3-13 for emissions by source.

e. Total project (2040) emissions minus total existing (2024) emissions.

f. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-18 indicates that ROG and PM_{10} emissions would still exceed the Air District's thresholds with implementation of project design features and mitigation. The project design features and Mitigation Measures AQ-5, AQ-6, and TRAN-1 collectively represent best-available control strategies to reduce operational emissions resulting from buildout of a large-scale development project. Ongoing and forthcoming regulatory programs led by CARB and the Air District will continue to reduce ROG and PM10 emissions in the SFBAAB. These reductions are often achieved through statewide and regional rulemaking—such as CARB's Consumer Products Regulations and updates to the Air District's Regulation 8, Organic Compounds—which operate independently of any individual development project. It is likely that by the project's full buildout year, emissions associated with consumer products (ROG) and mobile sources (ROG and PM10) will be lower than those reflected in this analysis because of additional state and regional regulatory programs.

There is no feasible mitigation beyond Mitigation Measures AQ-5, AQ-6, and TRAN-1 and the project design features to reduce operational ROG and PM_{10} emissions below the Air District's thresholds. As discussed under *Concurrent Construction and Partial Operations*, Mitigation Measure AQ-7 is required to offset ROG and PM_{10} emissions generated during 2034 through 2039. Although this measure is accepted to address 6 years of near-term emissions, it is not considered feasible to mitigate the long-term operational ROG or PM_{10} impact identified in Table 3-18 for the following reasons:

- The potential for significant cost escalation creates economic uncertainty that could place an undue financial burden on the project. CARB publishes annual cost effectiveness limits for emission reduction projects funded through the Carl Moyer Memorial Air Quality Standards Attainment Program (Carl Moyer Program). Although not all local air district incentive programs are administered through the Carl Moyer Program, the published cost effectiveness limit provides a reasonable measure to estimate potential mitigation cost. Over a 30-year operational analysis period, purchasing operational offsets for ROG and PM_{10} emissions over the Air District's annual thresholds would result in approximately $26.7 million in fees. This estimate is based on the current (2024) base limit of $60,000 per ton and a 5 percent administrative fee (CARB 2024:Table E-1). The Carl Moyer Program cost effectiveness limit reflects the cost of regulations and technology and has historically increased year-over-year. For example, the cost effectiveness limit in 1998 was $12,000 per ton. In 2015 and 2021, the base limits were $18,262 per ton and $33,000 per ton, respectively (CARB 2024:Tables E-2 and E-3). Thus, not only the cost, but the rate of annual increase, is accelerating. Full buildout of the CEQA Proposed Project is expected no sooner than 2040. Based on the pattern of cost escalation between 1998 and 2024, it is reasonable that operational mitigation fees would likely be double or triple the $26.7 million estimate based on the 2024 cost effectiveness base limit. The potential for significant cost escalation creates economic uncertainty that could place an undue financial burden on the project.
- It is unknown, and impossible to predict, if regional ROG and PM_{10} offsets will be available in the quantities required to successfully mitigate operational emissions over a 30-year period beginning in 2040.Emission reduction projects funded through CEQA mitigation must exceed reductions that would otherwise occur through law, regulation, or legally binding mandate. Federal, State, and local air quality regulations have expanded considerably over the past 30 years. Although this has improved air quality management and protections, it constrains the voluntary emission reduction market. In other words, with regulations already achieving relatively low emissions rates through mandated technologies or performance standards, there

are fewer opportunities for additional reductions. More stringent compliance obligations for many State regulations, such as the Advanced Clean Truck and Innovative Clean Transit, are set to phase-in over the next ten to 20 years. Thus, the availability of voluntary criteria pollutant offsets is likely to become more limited overtime. Because ROG and PM_{10} are regional pollutants, they must be mitigated within the same air basin (or neighboring air basin with equal or worse ambient air quality designation) to address project-level impacts. This geographic restriction further constrains offset availability. It is unknown, and impossible to predict, if regional ROG and PM_{10} offsets will be available in the quantities required to successfully mitigate operational emissions over a 30-year period beginning in 2040.

Mitigation Measure AQ-5. Low-VOC Non-Residential Coatings and Cleaning Supplies during Operations

All non-residential tenants must use certified (e.g., Greenguard or Green Seal) no-VOC paints (i.e., less than 5 grams per liter of VOC) where locally (i.e., within 50 miles of the Project Site) and commercially available for the coating type. Where not locally and commercially available, use low-VOC paints (i.e., less than 50 grams per liter of VOC). NASA shall require no-VOC and low-VOC paints as a condition of occupancy for all non-residential tenants. The Project Proponent shall require all janitorial contracts mandate use of water-based or low-VOC cleaning products.

Mitigation Measure AQ-6. Electric Landscaping Equipment during Operations

All landscaping equipment must use zero-emission equipment over conventional gasoline-fueled counterparts. This includes all chainsaws, chippers, lawn mowers, leaf blowers/vacuums, riding mowers, tillers, trimmers, and any other equipment used to maintain landscaping features. Gasoline- or fossil-fuel-powered landscaping equipment during operations is prohibited. The Project Proponent shall require all landscaping contracts mandate use of electric equipment.

Mitigation Measure TRAN-1. Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Concurrent Construction and Partial Operations

Occupancy of buildings constructed during Phase 1 could begin as early as 2031. Accordingly, concurrent construction and partial operational activities would occur from 2031 through 2039, resulting in higher average daily and annual emissions than either component when analyzed separately. Partial operational emissions were quantified according to the methods summarized in Section 3.3.1.2, *Operation.* Emissions from existing land uses (Table 3-13) are subtracted from the operational results. Tables 3-19 and 3-20 summarize the results of the modeling. Table 3-20 includes anticipated emissions benefits from Mitigation Measures AQ-1, AQ-3 through AQ-6, and TRAN-1 (Mitigation Measures AQ-2, HAZ-1, and GHG-1 are not quantified or fully quantified for the reasons discussed above under *Construction*). Total net emissions during each analysis year are compared to the Air District's project-level thresholds to determine significance under CEQA.

Table 3-19. Estimated Average Daily and Annual Unmitigated Criteria Pollutant Emissions from Concurrent Construction and Net Partial Operation of the CEQA Proposed Project[a]

	Average Daily (pounds per day)				Annual (tons per year)			
Year	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]
2031[c]	47	**150**	51	17	9	**27**	9	3
2032[c]	53	**194**	51	17	10	**35**	9	3
2033[c]	**63**	**112**	47	15	**11**	**20**	9	3
2034[d]	**80**	**109**	**99**	32	**15**	**20**	**18**	6
2035[d]	**96**	**112**	**95**	31	**18**	**21**	**17**	6
2036[d]	**86**	**72**	**90**	30	**16**	**13**	**16**	5
2037[e]	**102**	**131**	**125**	41	**19**	**24**	**23**	7
2038[e]	**120**	**138**	**120**	40	**22**	**25**	**22**	7
2039[e]	**109**	**78**	**111**	37	**20**	**14**	**20**	7
Air District Threshold[f]	54	54	82	54	10	10	15	10

Source: Appendix A

Note: As discussed in Section 3.3.1.1, *Construction*, and Section 3.3.1.2, *Operation*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c. Unmitigated construction emissions (Table 3-15) plus unmitigated operational emissions from buildings constructed during Phase 1. Operational emissions were quantified under 2031 opening conditions and held constant in 2032 and 2033. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

d. Unmitigated construction emissions (Table 3-15) plus unmitigated operational emissions from buildings constructed during Phases 1 and 2. Operational emissions were quantified under 2034 opening conditions and held constant in 2035 and 2036. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

e. Unmitigated construction emissions (Table 3-15) plus unmitigated operational emissions from buildings constructed during Phases 1 through 3. Operational emissions were quantified under 2037 opening conditions and held constant in 2038 and 2039. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

f. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-20. Estimated Average Daily and Annual Mitigated Criteria Pollutant Emissions from Concurrent Construction and Net Partial Operation of the CEQA Proposed Project[a]

	Average Daily (pounds per day)				Annual (tons per year)			
Year	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]
2031[c]	31	39	45	14	6	7	8	2
2032[c]	32	32	45	14	6	6	8	2
2033[c]	38	26	43	13	7	5	8	2
2034[d]	**62**	43	**91**	30	**11**	8	**17**	5
2035[d]	**69**	37	**87**	29	**13**	7	**16**	5
2036[d]	**65**	33	**84**	28	**12**	6	**15**	5
2037[e]	**78**	53	**115**	38	**14**	10	**21**	7
2038[e]	**86**	44	**111**	37	**16**	8	**20**	7
2039[e]	**82**	32	**103**	34	**15**	6	**19**	6
Air District Threshold[f]	54	54	82	54	10	10	15	10

Source: Appendix A

Note: As discussed in Section 3.3.1.1, *Construction*, and Section 3.3.1.2, *Operation*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Construction emissions include Mitigation Measures AQ-1, AQ-3, and AQ-4 (Mitigation Measures AQ-2 and HAZ-1 are not quantified; Mitigation Measure GHG-1 is partially quantified [off-road engine controls]). Operational emissions include Mitigation Measures AQ-5, AQ-6, and TRAN-1. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c. Mitigated construction emissions (Table 3-16) plus mitigated operational emissions from buildings constructed during Phase 1. Operational emissions were quantified under 2031 opening conditions and held constant in 2032 and 2033. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

d. Mitigated Construction emissions (Table 3-16) plus mitigated operational emissions from buildings constructed during Phases 1 and 2. Operational emissions were quantified under 2034 opening conditions and held constant in 2035 and 2036. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

e. Mitigated Construction emissions (Table 3-16) plus mitigated operational emissions from buildings constructed during Phases 1 through 3. Operational emissions were quantified under 2037 opening conditions and held constant in 2038 and 2039. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

f. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Overlapping construction and net partial operational activities would result in the following additional or worsened exceedances of Air District thresholds during the construction period:

- Average daily and annual ROG: 2033 to 2039 (unmitigated scenario); 2034 to 2039 (mitigated scenario)
- Average daily and annual NO_X: 2031 to 2039 (unmitigated scenario)
- Average daily and annual PM_{10}: 2034 to 2039 (unmitigated and mitigated scenarios)

The analysis indicates that combined construction and net partial operational emissions would exceed the Air District's ROG and PM_{10} thresholds, even with implementation of project design features and Mitigation Measures AQ-1 through AQ-6, HAZ-1, GHG-1, and TRAN-1. Mitigation Measure AQ-7 is required to offset ROG and PM_{10} emissions in 2034 through 2039 to levels below Air District thresholds. The maximum total offset commitment may be recalculated prior to the start of construction as described under Mitigation Measure AQ-7. The mitigation obligation may therefore change as regulations change and new control technologies become available and effective. Mitigation Measure AQ-7 ensures that ROG and PM_{10} generated by combined construction and partial operation of the CEQA Proposed Project would not exceed Air District thresholds. As such, neither ROG nor PM_{10} emissions would contribute a cumulatively considerable significant level of air pollution such that regional air quality within the SFBAAB would be degraded. But for the reasons described above, ROG and PM_{10} emissions during project operations after the 6 years of overlapping construction and operations would not be mitigated to a level of less than significant or less than cumulatively considerable.

Mitigation Measure AQ-1. Electric Equipment and Emissions Controls for Off-Road Diesel Engines during Construction

Refer to measure description above under *Construction*.

Mitigation Measure AQ-2. Zero-Emission On-Road Vehicles during Construction

Refer to measure description above under *Construction*.

Mitigation Measure AQ-3. Fugitive Dust Control

Refer to measure description above under *Construction*.

Mitigation Measure AQ-4. Low-VOC Coatings during Construction

Refer to measure description above under *Construction*.

Mitigation Measure AQ-5. Low-VOC Non-Residential Coatings and Cleaning Supplies during Operations

Refer to measure description above under *Full Operations*.

Mitigation Measure AQ-6. Electric Landscaping Equipment during Operations

Refer to measure description above under *Full Operations*.

Mitigation Measure AQ-7. Offset Combined Construction and Net Partial Operational ROG and PM_{10} Emissions

The Project Proponent shall offset combined construction and net partial operational ROG and PM_{10} emissions that exceed the Air District's annual thresholds to quantities below 10 tons and 15 tons per year, respectively. The preferred means of undertaking such off-site mitigation will be through a partnership with the Air District's Clean Air Foundation (Foundation), as follows:

- The Project Proponent, or its designee, shall pay a mitigation fee and an administrative fee in accordance with the provisions of the Foundation's established mitigation fee program to reduce the project impacts from combined construction and net partial operational ROG and PM_{10} emissions to a less-than-significant level (i.e., below 10 tons and 15 tons per year, respectively).
- The Project Proponent, or its designee, shall pay the mitigation and administrative fees for each of the construction years, as determined by the Foundation, in full prior to NASA approval of the tentative map, parcel map, or planned development permit for the associated construction phase.
- An alternative payment plan may be negotiated by the Project Proponent, or its designee, based on the timing of construction activities or other construction phases that are expected to exceed the Air District's threshold of significance. Any alternative payment plan must be acceptable to the Air District and agreed upon in writing prior to NASA approval of the tentative map, parcel map, or planned development permit. The alternative payment plan must cover the full quantity of required offsets, and full payment must be provided prior to the completion of construction.
- In coordination with the Air District, the Project Proponent, or its designee, may reanalyze combined construction and net partial operational ROG and PM_{10} from the proposed project prior to starting construction to update the required mitigation and administrative fees.
    - The analysis must be conducted using Air District approved emissions model(s) and the fee rates published at the time of reanalysis.
    - The analysis must use the latest available engineering data for the proposed project. Consistent with the methodology used in this joint EIR/EIS, emission factors may account for enacted regulations that will influence future year emissions intensities (e.g., fuel efficiency standards for on-road vehicles).
    - The analysis must include all required mitigation measures as specified in this joint EIR/EIS. The analysis may include additional measures to reduce construction emissions if deemed feasible and equally effective or superior by the lead agency and Project Proponent. All on-site measures assumed in the analysis must be included in the construction contracts and be enforceable by the lead agency.

Mitigation Measure GHG-1. Best Management Practices for Construction-Related GHG Emissions

Refer to measure description in Chapter 5, *Greenhouse Gases and Climate Change*, Section 5.3.3, *Impacts*, under Impact GHG-1.

Mitigation Measure HAZ-1. Implement the Environmental Issues Management Plan

See discussion for the CEQA Proposed Project under Impact CEQA-HAZ-1 in Section 3.9, Haz*ards and Hazardous Materials*, of this joint EIR/EIS.

Mitigation Measure TRAN-1. Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Potential Health Outcomes of Cumulatively Considerable Regional Criteria Pollutant Emissions

In December 2018, the California Supreme Court issued its decision in *Sierra Club v. County of Fresno* (226 Cal.App.4th 704) (hereafter referred to as the "Friant Ranch" decision). The case reviewed the long-term, regional air quality analysis contained in the EIR for the proposed Friant Ranch development. The Friant Ranch project is a 942-acre master-plan development in unincorporated Fresno County in the San Joaquin Valley Air Basin (SJVAB). The court found that the air quality analysis was inadequate because it failed to provide enough detail "for the public to translate the bare [criteria pollutant emissions] numbers provided into adverse health impacts or to understand why such a translation is not possible at this time." The court's decision clarifies that environmental documents must connect a project's regional air quality impacts to specific health effects or explain why it is not technically feasible to perform such an analysis.

No expert agency, including the Air District, CARB, or EPA, has approved a quantitative method to reliably, meaningfully, and consistently translate project-level mass emission estimates to specific health outcomes.[28] The Air District's (2023a:5-9 and 5-10) CEQA Guidelines recommends that, to comply with the Friant Ranch decision, lead agencies must provide sufficient documentation to support reader understanding of the connection between the project's significant air quality impacts and foreseeable health impacts. The Air District outlines five criteria that should be included in project-level air quality analyses to demonstrate compliance with the Friant Ranch decision. Each of these criteria are addressed below for the proposed project.

Describe Potential Adverse Health Effects of Criteria Pollutants

All criteria pollutants that would be generated by the project are associated with some form of health risk. Table 3-1 in Section 3.1.1, *Pollutants of Concern*, identifies potential health effects of the six criteria pollutants. The primary regional criteria pollutants generated by the proposed project are ozone precursors (NO_X and ROG) and PM. Additional narrative on the sources and health effects of these pollutants is provided in Section 3.1.1.

It is important to note that adverse health effects induced by regional criteria pollutant emissions generated by the project (ozone precursors and PM) are highly dependent on a multitude of interconnected variables (e.g., cumulative concentrations, local meteorology and atmospheric conditions, the number and character of exposed individuals [e.g., age, gender]). For example, emissions of ROG and NO_X generated in one area may not equate to a specific ozone concentration in that same area. Similarly, some types of PM pollution may be transported over long distances or formed through atmospheric reactions. As such, the magnitude and locations of specific health effects from exposure to increased ozone or regional PM concentrations are the product of emissions generated by numerous

[28] The Sacramento Metropolitan Air Quality Management District has released a screening-level tool to assess potential health outcomes for projects within the northern Sacramento Valley.

sources throughout a region, as opposed to a single individual project. Moreover, exposure to regional air pollution does not guarantee that an individual will experience an adverse health effect because there are large individual differences in the intensity of symptomatic responses to air pollutants. These differences are influenced, in part, by the underlying health condition of an individual, which cannot be known.

Explain the Development and Use of the Air District's Mass Emission Thresholds

The Air District's mass emission thresholds are shown in Table 3-11 in Section 3.3.2.2, *Result in a Cumulatively Considerable Net Increase in Criteria Pollutants (CEQA only)*. As discussed in this section, the thresholds represent the level above which project emissions could inhibit regional attainment of the ambient air quality standards. Thus, exceedance of the thresholds does not explicitly indicate that project emissions would individually create a new or worsening violation of an ambient air quality standard near the Project Site or what specific health impacts will occur from the project-generated emissions. The Air District (2023a) developed their thresholds in consideration of existing air quality concentrations and regional attainment designations under the ambient air quality standards. The NAAQS and CAAQS are informed by a wide range of scientific evidence that demonstrates there are known safe concentrations of criteria pollutants. Thus, the thresholds are useful indicators of a project's potential to contribute to degradation of regional ambient air quality, which could increase public exposure to harmful pollutant concentrations (Air District 2023a). However, the regional pollutant load and resulting health consequences are a product of cumulative emission sources throughout an air basin, coupled with a region's unique geography, climate, and meteorology.

Provide a Meaningful and Understandable Narrative of Ozone and Secondary PM Formation

As discussed in Section 3.1.1.1, *Ozone*, ozone is not emitted by a source but formed in the atmosphere through photochemical reactions involving NO_X, ROG, and sunlight. NO_X is generated primarily by vehicle exhaust, power plants, and industrial activities. ROG is generated primarily from gasoline combustion, paints, and industrial solvents. Sunlight is the energy source that drives the reaction. The ozone formation process begins with NO_2 (as one of the two major forms of NO_X) and ROG being released into the atmosphere. Next, the NO_2 breaks down into NO and an oxygen atom under sunlight. The oxygen atom then reacts with molecular oxygen to form ozone. Ozone can naturally reform into NO_2 through additional reactions with NO, but ROG can disrupt this cycle by removing NO from the atmosphere, thereby contributing to increasing ozone formation and accumulation (National Oceanic and Atmospheric Administration 2010). Ozone is therefore controlled by both NO_X and ROG, and decreases in one pollutant may not result in proportional decreases in ozone.

As discussed in Section 3.1.1.4, *Particulate Matter*, PM is both directly emitted and formed in the atmosphere through reactions involving SO_2, ammonia (NH_3), NO_X, and ROG (collectively referred to as "secondary precursors"). SO_2 is generated primarily from burning fossil fuels, industrial processes, and natural sources. NH_3 is generated primarily by agricultural activities. Sources of NO_X and ROG are described above. The formation process begins with the secondary precursors being released into the atmosphere (or formed secondarily). Next, the precursors react with water vapor, O_2, and other chemicals to form sulfates, nitrates, and organic aerosols. These compounds then condense into tiny particles, or PM. The size of the particle informs the PM designation (e.g., particles less than 2.5 microns in diameter are known as $PM_{2.5}$) (Hodan and Barnard 2004).

Explain Limitations of Modeling Tools to Translate Project Emissions to Health Impacts

Photochemical grid models (PGMs) can be used to simulate atmospheric pollutant concentrations, based on equations that characterize the chemical and physical interactions among pollutants in the atmosphere. PGMs are large-scale, complex models used by air districts for regional air quality attainment planning. Examples of PGMs include the Community Multiscale Air Quality (CMAQ) Model or the Comprehensive Air Quality Model with extensions (CAMx) (EPA 2025d). Potential health outcomes from community exposure to regional pollutant concentrations predicted by PGMs can be estimated using the Environmental Benefits Mapping and Analysis Program (BenMAP). BenMAP uses socioeconomic data (e.g., age, economic conditions) to estimate the number of health incidences (e.g., hospital admissions, mortality) at certain pollutant concentration levels (EPA 2025e).

Although models are capable of quantifying ozone and secondary PM formation and associated health effects, these tools were developed to support regional planning and policy analysis and have limited sensitivity to small changes in criteria pollutant concentrations induced by individual projects. Technical limitations of existing models to correlate *project-level* regional emissions to specific health consequences are recognized by air districts throughout the state, including the San Joaquin Valley Air Pollution Control District (SJVAPCD) and South Coast Air Quality Management District (SCAQMD), which provided amici curiae briefs for the Friant Ranch legal proceedings. In its brief, SJVAPCD (2015b) notes that "running the photochemical grid model used for predicting ozone attainment with the emissions solely from the Friant Ranch project (which equate to less than one tenth of 1 percent of the total NO_X and VOC in the valley) is not likely to yield valid information given the relative scale involved." SCAQMD (2015) presents similar information in its brief, stating that "it takes a large amount of additional precursor emissions to cause a modeled increase in ambient ozone levels."[29]

The complexities of regional ozone and secondary PM formation described above constrain the ability of existing PGMs to yield valid information when isolated to emissions solely from an individual project. Given the regional scale of PGMs, projects emissions may also be less than the uncertainty level of the models; in those cases, quantitative results will not be accurate. Accordingly, limitations of existing models preclude accurate meaningful analysis to correlate project-level criteria pollutant emissions and health effects for decision-makers and the public, and such analysis is not included in this report.

If Scientifically Feasible, Tie Project Emissions to Potential Negative Health Impacts

This criterion is not appliable. For the reasons explained above, models currently available to quantitatively evaluate health effects of regional air pollution are not appropriate to be applied on a project-level basis. Ultimately, Santa Clara County does not attain the NAAQS or CAAQS for ozone and $PM_{2.5}$ or the CAAQS for PM_{10}. Certain individuals residing in areas that do not meet the ambient air quality standards could be exposed to pollutant concentrations that cause or aggravate acute and/or chronic health conditions (e.g., asthma, lost workdays, premature mortality), regardless of implementation of the project.

[29] SCAQMD's analysis of the 2012 Air Quality Attainment Plan showed that modeled NO_X and ROG reductions of 432 and 187 tons per day, respectively, reduced ozone levels by only 9 parts per billion. Analysis of SCAQMD's Rule 1315 showed that emissions of NO_X and ROG of 6,620 and 89,180 pounds per day, respectively, contributed to 20 premature deaths per year and 89,947 school absences (SCAQMD 2015).

Impact AIR-2b. Result in a Substantial Net Increase in Any Criteria Pollutant for which the Project Region Is Nonattainment under an Applicable Federal Ambient Air Quality Standard (NEPA Impact Only)

Santa Clara County does not currently attain the NAAQS for ozone and $PM_{2.5}$. The impact analysis focuses on these pollutants or their precursors during construction and operation of NEPA Build Alternative 1. It evaluates regional air quality effects under NEPA using the federal *de minimis* levels shown in Table 3-12 in Section 3.3.2.3, *Result in a Substantial Net Increase in Criteria Pollutants (NEPA only)*. Refer to Impact AIR-2a for the CEQA impact analysis of regional criteria pollutant emissions. Impact AIR-2a also presents additional context and information on emission sources and quantification methods.

Construction

Table 3-21 summarizes estimated annual unmitigated construction emissions for NEPA Build Alternative 1. Emissions are compared to the federal *de minimis* levels to determine the significance under NEPA.

Table 3-21. Estimated Annual Unmitigated Criteria Pollutant Emissions from Construction of NEPA Build Alternative 1[a]

	Annual (tons per year)[b]			
Year	ROG	NO_X	$PM_{2.5}$ (total)[c]	SO_2
2026	1	6	<1	< 1
2027	2	16	1	< 1
2028	2	15	1	< 1
2029	2	14	1	< 1
2030	4	9	1	< 1
2031	3	25	1	< 1
2032	4	33	1	< 1
2033	6	18	1	< 1
2034	2	15	1	< 1
2035	5	16	1	< 1
2036	3	9	1	< 1
2037	2	19	1	< 1
2038	5	20	1	< 1
2039	3	9	<1	< 1
de minimis Level[d]	100	100	100	100

Source: Appendix A

Note: As discussed in Section 3.3.1.1, *Construction*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has not developed adjustment factors for SO_2 for EMFAC2021, and emissions of this pollutant may be greater than presented in this table. Application of the adjustment factors across all construction years resulted in a less than 1 percent increase in affected emissions, due largely to the fact that construction emissions are generated primarily by off-road equipment. It is reasonable to conclude removal of the regulations may affect estimated SO_2 emissions by the same magnitude. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Emissions results include use of Tier Final 4 off-road engines (greater than 25 horsepower). Values are rounded to the nearest whole number. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

b. Presents the total emissions estimate during each year of construction.

c. Total $PM_{2.5}$ emissions consist of exhaust and fugitive dust emissions.

d. The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; ROG = reactive organic gases; SO_2 = sulfur dioxide

Table 3-21 indicates that annual unmitigated construction emissions would not exceed the federal *de minimis* levels. Mitigation Measures AQ-1 through AQ-4, HAZ-1, and GHG-1, which are required to address construction impacts under CEQA (see Impact AIR-2a), would further reduce emissions. Because emissions do not exceed *de minimis* levels, a general conformity determination for construction is not required.

Full Operations

Table 3-22 summarizes total annual unmitigated operational emissions for NEPA Build Alternative 1 under full-build conditions. The net increase in operational emissions with NEPA Build Alternative 1 is determined by subtracting emissions generated by the NEPA No-Action Alternative and comparing the net change to the federal *de minimis* levels. Refer to Tables 3-13 and 3-17 for emissions estimates by source category for the NEPA No-Action Alternative and NEPA Build Alternative 1, respectively.

Table 3-22. Estimated Total Annual Unmitigated Criteria Pollutant Emissions from Operation of NEPA Build Alternative 1[a]

	Annual (tons per year)			
Alternative	ROG	NO_X	$PM_{2.5}$ (total)[b]	SO_2
NEPA Build Alternative 1[c]	21.5	7.0	8.1	0.2
NEPA No-Action Alternative[d]	1.4	0.6	0.3	< 0.1
Net Change[e]	20.1	6.4	7.8	0.2
de minimis Level[f]	100	100	100	100

Source: Appendix A

Note: As discussed in Section 3.3.1.2, *Operation*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has not developed adjustment factors for SO_2 for EMFAC2021, and emissions of this pollutant may be greater than presented in this table. Application of the adjustment factors across all operational analyses for the project resulted in a less than 1 percent to 22 percent increase in mobile-source emissions, depending on the analysis year and pollutant (i.e., ROG, NO_X, or PM). It is reasonable to conclude removal of the regulations may affect estimated SO_2 emissions by the same magnitude. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

b. Total $PM_{2.5}$ emissions consist of exhaust and fugitive dust emissions.

c. Refer to Table 3-17 for emissions by source.

d. Refer to Table 3-13 for emissions by source.

e. Total project (2040) emissions minus NEPA No-Action Alternative (2040) emissions.

f. The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; ROG = reactive organic gases; SO_2 = sulfur dioxide

Table 3-22 indicates that net annual unmitigated operational emissions would not exceed the federal *de minimis* levels. Mitigation Measures AQ-5, AQ-6, and TRAN-1, which are required to

address operational impacts under CEQA (see Impact AIR-2a), would further reduce emissions. Because emissions do not exceed *de minimis* levels, a general conformity determination for operations is not required.

Concurrent Construction and Partial Operations

Table 3-23 summarizes annual unmitigated concurrent construction and net partial operational emissions from 2031 through 2039 under NEPA Build Alternative 1. Emissions generated by existing land uses under analysis year conditions (i.e., emissions from the NEPA No-Action Alternative during each of the future years) are subtracted from the operational results. Total net emissions are compared to the federal *de minimis* levels to determine significance under NEPA.

Table 3-23. Estimated Annual Unmitigated Criteria Pollutant Emissions from Concurrent Construction and Net Partial Operation of NEPA Build Alternative 1[a]

	Annual (tons per year)			
Year	ROG	NO_X	$PM_{2.5}$ (total)[b]	SO_2
2031[c]	7	27	3	< 1
2032[c]	8	35	3	< 1
2033[c]	10	20	2	< 1
2034[d]	13	19	6	< 1
2035[d]	16	20	5	< 1
2036[d]	15	13	5	< 1
2037[e]	18	24	7	< 1
2038[e]	21	25	7	< 1
2039[e]	19	14	6	< 1
de minimis Level[f]	100	100	100	100

Source: Appendix A

Note: As discussed in Section 3.3.1.1, *Construction*, and mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has not developed adjustment factors for SO_2 for EMFAC2021, and emissions of this pollutant may be greater than presented in this table. Application of the adjustment factors across all construction years resulted in a less than 1 percent increase in affected construction emissions, due largely to the fact that construction emissions are generated primarily by off-road equipment. Application of the adjustment factors across all operational analyses for the project resulted in a less than 1 percent to 22 percent increase in mobile-source operational emissions, depending on the analysis year and pollutant (i.e., ROG, NO_X, or PM). It is reasonable to conclude removal of the regulations may affect estimated SO_2 emissions by the same magnitude. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Values are rounded to the nearest whole number. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c. Unmitigated construction emissions (Table 3-21) plus unmitigated operational emissions from buildings constructed during Phase 1. Operational emissions were quantified under 2031 opening conditions and held constant in 2032 and 2033. Emissions from existing land uses under 2031 conditions are subtracted from the operational results.

d. Unmitigated construction emissions (Table 3-21) plus unmitigated operational emissions from buildings constructed during Phases 1 and 2. Operational emissions were quantified under 2034 opening conditions and held constant in 2035 and 2036. Emissions from existing land uses under 2034 conditions are subtracted from the operational results.

e. Unmitigated construction emissions (Table 3-21) plus unmitigated operational emissions from buildings constructed during Phases 1 through 3. Operational emissions were quantified under 2037 opening conditions and held constant in 2038 and 2039. Emissions from existing land uses under 2037 conditions are subtracted from the operational results.

f. The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; ROG = reactive organic gases; SO_2 = sulfur dioxide

Table 3-23 indicates that annual unmitigated concurrent construction and net partial operational emissions would not exceed the federal *de minimis* levels. Mitigation Measures AQ-1 through AQ-7, HAZ-1, GHG-1, and TRAN-1, which are required to address operational impacts under CEQA (see Impact AIR-2a), would further reduce emissions. Because emissions do not exceed *de minimis* levels, a general conformity determination for concurrent construction and net partial operations is not required.

Impact AIR-3. Result in Other Emissions (Such as Those Leading to Odors) Adversely Affecting a Substantial Number of People

The generation and severity of odors is dependent on a number of factors, including the nature, frequency, and intensity of the source; wind direction; and the location of the receptor(s). Odors rarely cause physical harm, but can cause discomfort, leading to complaints to regulatory agencies.

Sources of odor during construction include diesel exhaust from construction equipment, asphalt paving, and application of architectural coatings. All odors would be localized, generally confined to the immediate area surrounding the construction site and would cease once construction activities have been completed. Construction of the CEQA Proposed Project would utilize typical construction techniques. The equipment odors would be typical of most construction sites, temporary in nature, and localized to the vicinity of the construction work area. Further, construction activities would be subject to Air District rules that limit the amount of ROG emissions from architectural coatings and asphalt paving material, which can help reduce odors (see Section 3.2.3, *Regional*). Accordingly, construction is not anticipated to generate substantial odors that would result in violations of the Air District's odor complaint threshold or adversely affect a substantial number of people.

Land uses associated with operational odor complaints typically include landfills, wastewater treatment facilities, and animal processing centers (Air District 2023a, Table 5-4; CARB 2005:1–4). The project would include new academic, research, retail, administrative, parking, and short-term housing uses. None of these uses are associated with long-term sources of substantial odors, as identified by the Air District or CARB. As a result, the operation of the CEQA Proposed Project would not result in substantial odor impacts to existing or future receptors that would lead to violations of the Air District's odor compliant threshold or adversely affect a substantial number of people.

Cumulative Impacts

Santa Clara County does not currently attain the NAAQS or CAAQS for ozone and $PM_{2.5}$, or the CAAQS for PM_{10}, reflecting an existing significant cumulative impact. Because impacts from criteria pollutants are cumulative in nature, the project-level and cumulative impact thresholds for the analysis of regional air quality impacts are the same. Thus, the analysis and conclusions presented above in Impacts AIR-2a and AIR-2b under *Project-Level Impacts* characterize the cumulative regional air quality impacts of the CEQA Proposed Project under CEQA and NEPA, respectively.

Buildout of the CEQA Proposed Project would incorporate all applicable control measures of the 2017 Clean Air Plan and would not disrupt or hinder implementation of any control measures. Although the NEPA analysis finds that the project would support the primary air quality goals of 2017 Clean Air Plan with respect to attainment of federal standards, the CEQA analysis finds that the project could impede protection of regional air quality under State standards, even after implementation of mitigation. Both the NEPA and CEQA analyses find that the project would support regional climate goals but would not support elimination of health disparities, even after implementation of mitigation. Thus, the project would result in a cumulatively considerable impact with respect to air quality plan compliance under CEQA (air quality and health risks) and NEPA (health risks).

The CEQA Proposed Project would not result in new or worsened odors that would affect a substantial number of people. Odors from construction diesel exhaust, paving activities, and architectural coatings, as well as limited operational operations would be similar to those generated by the surrounding environment, which includes adjacent residential, commercial, and aviation land uses, as well as traffic on U.S. 101. There is no existing significant cumulative odor impact from these sources in the project area. Accordingly, the project, when considered with past, present, and probable future projects, would not create significant cumulative odor emissions.

3.3.3.3 CEQA Proposed Project with WRF Option (NEPA Build Alternative 1 with WRF Option)

Project-Level Impacts

Impact AIR-1. Conflict with or Obstruct Implementation of the Applicable Air Quality Plan

Overall, there would be no difference in the impact mechanism or conclusion with or without the WRF Option. The same sustainability strategies described above for the CEQA Proposed Project would be implemented. The WRF Option would further support the 2017 Clean Air Plan water-sector goals by reusing water on-site, which, in turn, would reduce the need to transport water over long distances and conserves energy. However, like the CEQA Proposed Project, the CEQA Proposed Project with the WRF Option would result in ROG and PM_{10} emissions (see Impact AIR-2a) and cancer risks and $PM_{2.5}$ concentrations that would be above the Air District's thresholds (see Chapter 4). The CEQA analysis therefore finds that the project could impede protection of regional air quality and elimination of health disparities under State standards, and it would obstruct the implementation of the 2017 Clean Air Plan under CEQA, even with implementation of Mitigation Measures AQ-1 through AQ-7, GHG-1, HRA-1, HRA-2, HAZ-1, and TRAN-1. The NEPA analysis finds that the project would conflict with the goals of 2017 Clean Air Plan with respect to community health goals.

Mitigation Measure AQ-1. Electric Equipment and Emissions Controls for Off-Road Diesel Engines during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-2. Zero-Emission On-Road Vehicles during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-3. Fugitive Dust Control

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-4. Low-VOC Coatings during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-5. Low-VOC Non-Residential Coatings and Cleaning Supplies during Operations

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-6. Electric Landscaping Equipment during Operations

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-7. Offset Combined Construction and Net Partial Operational ROG and PM_{10} Emissions

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure HRA-1. Enhanced Dust Control

Refer to measure description in Section 4.3.7.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure HRA-2. Promote Safe Work Practices to Limit Emissions Exposure During Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure HAZ-1. Implement the Environmental Issues Management Plan

See discussion for the CEQA Proposed Project under Impact CEQA-HAZ-1 in Section 3.9, Haz*ards and Hazardous Materials*, of this joint EIR/EIS.

Mitigation Measure GHG-1. Best Management Practices for Construction-Related GHG Emissions

Refer to measure description in Section 5.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure TRAN-1. Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Impact AIR-2a. Result in a Cumulatively Considerable Net Increase in any Criteria Pollutant for which the Project Region is in Nonattainment under an Applicable Federal or State Ambient Air Quality Standard (CEQA Impact Only)

Santa Clara County does not currently attain the NAAQS or CAAQS for ozone and $PM_{2.5}$, or the CAAQS for PM_{10}. The impact analysis focuses on these pollutants or their precursors during construction and operation of the CEQA Proposed Project with the WRF Option. It evaluates regional air quality impacts under CEQA using the Air District's thresholds shown in Table 3-11 in Section 3.3.2.2, *Result in a Cumulatively Considerable Net Increase in Criteria Pollutants (CEQA only)*. Refer to Impact AIR-2b for the NEPA effects analysis of regional criteria pollutant emissions.

Construction

Construction of the WRF in 2037 and 2038 would require additional off-road equipment and on-road vehicles beyond what is required for construction of the CEQA Proposed Project, resulting in additional short-term emissions during these years. Table 3-24 summarizes estimated unmitigated emissions for the CEQA Proposed Project in 2037 and 2038 with construction of the WRF Option. Table 3-25 summarizes estimated emissions for these same years with implementation of Mitigation Measures AQ-1 and AQ-4, which are discussed further in Section 3.3.3.2. Mitigation Measures AQ-2 and HAZ-1 are not quantified; Mitigation Measure GHG-1 is partially quantified (off-road engine controls) for the reasons discussed in Section 3.3.3.2. Mitigation Measures AQ-3 and HAZ-1 would control fugitive dust; they would not directly reduce ROG, NO_X, or PM exhaust. Emissions during all other construction years would be the same as presented in Tables 3-15 (unmitigated) and 3-16 (mitigated) for the CEQA Proposed Project. Emissions are compared to the Air District's project-level thresholds to determine significance under CEQA.

Table 3-24. Estimated Average Daily Unmitigated Criteria Pollutant Emissions from Construction of the CEQA Proposed Project with the WRF Option[a]

Select Construction Years[b]	Average Daily (pounds per day)[c]			
	ROG	NO_X	PM_{10} (exhaust)	$PM_{2.5}$ (exhaust)
2037	12	**118**	2	2
2038	28	**116**	2	2
Air District Threshold[d]	54	54	82	54

Source: Appendix A

Note: As discussed in Section 3.3.1.1, *Construction*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. The WRF would be constructed in 2037 and 2038. Emissions during all other construction years would be the same as presented in Table 3-15 for the CEQA Proposed Project.

c. Presents the average emissions estimate during a single day of construction in each year.

d. In developing the average daily thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA. The Air District also considers fugitive dust emissions significant without application of BMPs.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-25. Estimated Average Daily Mitigated Criteria Pollutant Emissions from Construction of the CEQA Proposed Project with the WRF Option[a]

Select Construction Years[b]	Average Daily (pounds per day)[c]			
	ROG	NO_X	PM_{10} (exhaust)	$PM_{2.5}$ (exhaust)
2037	3	27	1	1
2038	10	17	1	< 1
Air District Threshold[d]	54	54	82	54

Source: Appendix A

Note: As discussed in Section 3.3.1.1, *Construction*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Emission results include Mitigation Measures AQ-1 and AQ-4. Mitigation Measures AQ-2 and HAZ-1 are not quantified; Mitigation Measure GHG-2 is partially quantified (off-road engine controls). Mitigation Measures AQ-3 and HAZ-1 would not reduce ROG, NO_X, or PM exhaust emissions. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. The WRF would be constructed in 2037 and 2038. Emissions during all other construction years would be the same as presented in Table 3-16 for the CEQA Proposed Project.

c. Presents the average emissions estimate during a single day of construction in each year.

d. In developing the average daily thresholds, the Air District considered levels at which project emissions are cumulatively considerable under CEQA. Consequently, exceedances of project-level thresholds would be cumulatively considerable. The Air District also considers fugitive dust emissions significant without application of BMPs.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Compared to the CEQA Proposed Project, the intensity of emissions would be greater with the WRF Option during the years of facility construction. Table 3-24 indicates that construction of the CEQA Proposed Project with the WRF Option would exceed the Air District's average daily NO_X threshold in 2037 or 2038. Exceedances of the NO_X threshold would also occur in all years except 2030, 2036, and 2039, as reported in Table 3-15 for the CEQA Proposed Project. Fugitive dust emissions would be uncontrolled prior to mitigation and thus conflict with the Air District's fugitive dust threshold. Like the CEQA Proposed Project, there would be no exceedances of the Air District's ROG, PM_{10} (exhaust), or $PM_{2.5}$ (exhaust) thresholds with the WRF Option.

Implementation of Mitigation Measures AQ-1 and AQ-2 is required to reduce NO_X emissions from off-road equipment and on-road vehicles, respectively. Mitigation Measure GHG-1 would also achieve NO_X reductions through idling limitations, local sourcing of materials, and other BMPs. Mitigation Measure AQ-3 is required to comply with the Air District's basic fugitive dust control measures. Actions undertaken pursuant to Mitigation Measure HAZ-1 to comply with the EIMP would likewise help minimize dust. Although unmitigated ROG emissions are not projected to exceed the Air District's threshold, Mitigation Measure AQ-4 is also required during construction to address overlapping construction and partial operational emissions, which are assessed further below.

Tables 3-16 and 3-25 indicate that construction of the CEQA Proposed Project with the WRF Option would not exceed the Air District's average daily NO_X threshold with Mitigation Measure AQ-1. Mitigation Measures AQ-2 and GHG-1 would achieve additional NO_X reductions beyond those shown in the table. Mitigation Measures AQ-3 and HAZ-1 ensure compliance with the Air District's fugitive dust control threshold. Implementation of Mitigation Measure AQ-4 would further reduce ROG emissions from architectural coatings. The Air District's thresholds were established to prevent

emission from new projects in the SFBAAB from contributing to violations of the CAAQS and NAAQS. Because mitigated construction emissions would not exceed the Air District's thresholds, the CEQA Proposed Project with the WRF Option would not result in cumulatively considerable increase to regional pollution in the SFBAAB.

Mitigation Measure AQ-1. Electric Equipment and Emissions Controls for Off-Road Diesel Engines during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-2. Zero-Emission On-Road Vehicles during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-3. Fugitive Dust Control

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-4. Low-VOC Coatings during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure GHG-1. Best Management Practices for Construction-Related GHG Emissions

Refer to measure description in Chapter 5, *Greenhouse Gases and Climate Change*, Section 5.3.3, *Impacts*, under Impact GHG-1.

Mitigation Measure HAZ-1. Implement the Environmental Issues Management Plan

See discussion for the CEQA Proposed Project under Impact CEQA-HAZ-1 in Section 3.9, Haz*ards and Hazardous Materials*, of this joint EIR/EIS.

Full Operations

Except for stationary sources, operational emissions under the CEQA Proposed Project with the WRF Option would be the same as presented in Tables 3-17 (unmitigated) and 3-18 (mitigated) for the CEQA Proposed Project. One additional emergency generator would be maintained to support the WRF.

Table 3-26 presents estimated unmitigated operational emissions for the CEQA Proposed Project with the WRF Option. Table 3-27 presents estimated operational emissions with implementation of Mitigation Measures AQ-5, AQ-6, and TRAN-1, which are discussed further in Section 3.3.3.2. Emissions from mobile, area, and fugitive sources would be the same as estimated for the CEQA Proposed Project, and they are included in the tables to enable a total emissions summation. Total emissions under existing (2024) conditions are also presented; refer to Table 3-13 for additional detail. The net increase in the operational emissions of the CEQA Proposed Project with the WRF Option is determined by subtracting existing (2024) operational emissions from the project's

estimated operational emissions at full buildout. The net emissions are compared to the Air District's project-level thresholds to determine significance under CEQA.

Table 3-26. Estimated Average Daily and Annual Unmitigated Criteria Pollutant Emissions from Operation of the CEQA Proposed Project with the WRF Option[a]

	Average Daily (pounds per day)				Annual (tons per year)			
Source	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]
Project (2040)								
Mobile	41.1	34.9	119.2	30.5	7.5	6.4	21.8	5.6
Area	68.3	0.6	0.1	0.1	12.5	0.1	< 0.1	< 0.1
Fugitive	7.7	< 0.1	< 0.1	< 0.1	1.4	< 0.1	< 0.1	< 0.1
Stationary	0.9	2.9	13.8	13.8	0.2	0.5	2.5	2.5
Total WRF	118.0	38.4	133.1	44.5	21.5	7.0	24.3	8.1
Existing (2024)[c]	1.9	0.6	0.7	0.2	0.3	0.1	0.1	< 0.1
Net Change[d]	**116.1**	37.8	**132.5**	44.3	**21.2**	6.9	**24.2**	8.1
Air District Threshold[e]	54	54	82	54	10	10	15	10

Source: Appendix A

Note: As discussed in Section 3.3.1.2, *Operation*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c. Refer to Table 3-13 for emissions by source.

d. Total project (2040) emissions minus total existing (2024) emissions.

e. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-27. Estimated Average Daily and Annual Mitigated Criteria Pollutant Emissions from Operation of the CEQA Proposed Project with the WRF Option[a]

Source	Average Daily (pounds per day)				Annual (tons per year)			
	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]
Project (2040)								
Mobile	38.0	32.2	110.2	28.3	6.9	5.9	20.1	5.2
Area	49.2[c]	< 0.1	< 0.1	< 0.1	9.0	< 0.1	< 0.1	< 0.1
Fugitive	7.7	< 0.1	< 0.1	< 0.1	1.4	< 0.1	< 0.1	< 0.1
Stationary	0.9	2.9	13.8	13.8	0.2	0.5	2.5	2.5
Total	95.8	35.1	124.1	42.1	17.5	6.4	22.6	7.7
Existing (2024)[d]	1.9	0.6	0.7	0.2	0.3	0.1	0.1	< 0.1
Net Change[e]	**93.9**	34.6	**123.4**	41.9	**17.1**	6.3	**22.5**	7.6
Air District Threshold[f]	54	54	82	54	10	10	15	10

Source: Appendix A

Note: As discussed in Section 3.3.1.2, *Operation*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Emissions results include implementation of Mitigation Measures AQ-5, AQ-6, and TRAN-1. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c. The mitigation analysis conservatively assumes use of only low-VOC paints (i.e., less than 50 grams per liter VOC), which is required, at a minimum, by Mitigation Measure AQ-5. The measure also requires no-VOC paints (i.e., less than 5 grams per liter of VOC) where locally (i.e., within 50 miles of the Project Site) and commercially available for the coating type. Where no-VOC paints are used, emissions would be less than presented above.

d. Refer to Table 3-13 for emissions by source.

e. Total project (2040) emissions minus total existing (2024) emissions.

f. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases;

Table 3-26 indicates that future net operational emissions with the WRF Option under full-build conditions would exceed the Air District's daily and annual thresholds for ROG and PM_{10}. This impact finding is the same as the CEQA Proposed Project, although compared to the CEQA Proposed Project, the WRF Option would result in slightly higher emissions due to operation of an additional generator.

Implementation of Mitigation Measures AQ-5, AQ-6, and TRAN-1 is required to reduce operational emissions. Table 3-27 indicates that ROG and PM_{10} emissions would still exceed the Air District's thresholds with implementation of project design features and mitigation. The project design features and Mitigation Measures AQ-5, AQ-6, and TRAN-1 collectively represent best-available control strategies to reduce operational emissions resulting from buildout of a large-scale development project. There is no feasible mitigation beyond these measures and the project design features to reduce operational ROG and PM_{10} emissions below the Air District's thresholds.

Mitigation Measure AQ-5. Low-VOC Non-Residential Coatings and Cleaning Supplies during Operations

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-6. Electric Landscaping Equipment during Operations

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure TRAN-1. Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Concurrent Construction and Partial Operations

The WRF would be constructed in 2037 and 2038 and begin operation in 2040. Prior to 2037, concurrent construction and net partial operational activities under the CEQA Proposed Project with the WRF Option would be the same as analyzed for the CEQA Proposed Project.

Table 3-28 presents concurrent unmitigated construction and net partial operational emissions for the CEQA Proposed Project with the WRF Option. Table 3-29 presents concurrent mitigated construction and net partial operational emissions for the CEQA Proposed Project with the WRF Option. The results account for anticipated emissions benefits from Mitigation Measures AQ-1, AQ-3 through AQ-6, and TRAN-1 (Mitigation Measures AQ-2, HAZ-1, and GHG-1 are not quantified or fully quantified for the reasons discussed in Section 3.3.3.2). Only those years during which emissions would differ from the CEQA Proposed Project are included in the tables (i.e., 2037 to 2039). Emissions during all other construction years would be the same as presented in Tables 3-19 (unmitigated) and 3-20 (mitigated) for the CEQA Proposed Project. Emissions from existing land uses (Table 3-13) are subtracted from the operational results. Total net emissions during each analysis year are compared to the Air District's project-level thresholds to determine significance under CEQA.

Table 3-28. Estimated Average Daily and Annual Unmitigated Criteria Pollutant Emissions from Concurrent Construction and Net Partial Operation of the CEQA Proposed Project with the WRF Option[a]

Select Construction Year[b]	Average Daily (pounds per day)				Annual (tons per year)			
	ROG	NO_X	PM_{10} (total)[c]	$PM_{2.5}$ (total)[c]	ROG	NO_X	PM_{10} (total)[c]	$PM_{2.5}$ (total)[c]
2037[d]	**104**	**148**	**125**	41	**19**	**27**	**23**	7
2038[d]	**120**	**145**	**120**	40	**22**	**27**	**22**	7
2039[d]	**109**	**78**	**111**	37	**20**	**14**	**20**	7
Air District Threshold[e]	54	54	82	54	10	10	15	10

Source: Appendix A

Note: As discussed in Section 3.3.1.1, *Construction*, and Section 3.3.1.2, *Operation*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. The WRF would be constructed in 2037 and 2038 and begin operation in 2040. Emissions during years prior to 2037 would be the same as presented in Table 3-19 for the CEQA Proposed Project.

c. Total emissions consist of exhaust and fugitive dust emissions.

d. Unmitigated construction emissions (Table 3-24 for 2037 and 2038; Table 3-15 for 2039) plus unmitigated operational emissions from buildings constructed during Phases 1 through 3. Operational emissions were quantified under 2037 opening conditions and held constant in 2038 and 2039. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

e. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-29. Estimated Average Daily and Annual Mitigated Criteria Pollutant Emissions from Concurrent Construction and Net Partial Operation of the CEQA Proposed Project with the WRF Option[a]

Select Construction Year[b]	Average Daily (pounds per day)				Annual (tons per year)			
	ROG	NO_X	PM_{10} (total)[c]	$PM_{2.5}$ (total)[c]	ROG	NO_X	PM_{10} (total)[c]	$PM_{2.5}$ (total)[c]
2037[d]	**79**	54[e]	**115**	38	**14**	10[e]	**21**	7
2038[d]	**86**	44	**111**	37	**16**	8	**20**	7
2039[d]	**82**	32	**103**	34	**15**	6	**19**	6
Air District Threshold[f]	54	54	82	54	10	10	15	10

Source: Appendix A

Note: As discussed in Section 3.3.1.1, *Construction*, and Section 3.3.1.2, *Operation*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Construction emissions include Mitigation Measures AQ-1, AQ-3, and AQ-4 (Mitigation Measures AQ-2 and HAZ-1 are not quantified; Mitigation Measure GHG-1 is partially quantified [off-road engine controls]). Operational emissions include Mitigation Measures AQ-5, AQ-6, and TRAN-1. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. The WRF would be constructed in 2037 and 2038 and begin operation in 2040. Emissions during years prior to 2037 would be the same as presented in Table 3-20 for the CEQA Proposed Project.

c. Total emissions consist of exhaust and fugitive dust emissions.

d. Mitigated construction emissions (Table 3-25 for 2037 and 2038; Table 3-16 for 2039) plus net mitigated operational emissions from buildings constructed during Phases 1 through 3. Operational emissions were quantified under 2037 opening conditions and held constant in 2038 and 2039. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

e. Unrounded values are below thresholds (53.7 pounds per day and 9.8 tons per year).

f. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Compared to the CEQA Proposed Project, the intensity of combined emissions would be greater with the WRF Option during the years of facility construction (i.e., 2037 and 2038). However, the impact conclusions would be the same as the CEQA Proposed Project, and combined construction and net partial operational emissions with the WRF Option would exceed the Air District's ROG, NO_X, and PM_{10} thresholds. Project design features and Mitigation Measures AQ-1 through AQ-6, HAZ-1, GHG-1, and TRAN-1 would reduce NO_X emissions to below Air District thresholds, but ROG and PM_{10} emissions would remain elevated. Mitigation Measure AQ-7 is required to offset ROG and PM_{10} emissions in 2034 through 2039 to levels below Air District thresholds. As such, neither ROG nor PM_{10} emissions would contribute a cumulatively considerable significant level of air pollution such that regional air quality within the SFBAAB would be degraded. But for the reasons described above, ROG and PM_{10} emissions during project operations after the 6 years of overlapping construction and operations would not be mitigated to a level of less than significant or less than cumulatively considerable.

Mitigation Measure AQ-1. Electric Equipment and Emissions Controls for Off-Road Diesel Engines during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-2. Zero-Emission On-Road Vehicles during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-3. Fugitive Dust Control

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-4. Low-VOC Coatings during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-5. Low-VOC Non-Residential Coatings and Cleaning Supplies during Operations

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-6. Electric Landscaping Equipment during Operations

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-7. Offset Combined Construction and Net Partial Operational ROG and PM_{10} Emissions

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure GHG-1. Best Management Practices for Construction-Related GHG Emissions

Refer to measure description in Chapter 5, *Greenhouse Gases and Climate Change*, Section 5.3.3, *Impacts*, under Impact GHG-1.

Mitigation Measure HAZ-1. Implement the Environmental Issues Management Plan

See discussion for the CEQA Proposed Project under Impact CEQA-HAZ-1 in Section 3.9, Haz*ards and Hazardous Materials*, of this joint EIR/EIS.

Mitigation Measure TRAN-1. Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Potential Health Outcomes of Cumulatively Considerable Regional Criteria Pollutant Emissions

The potential health outcomes of cumulatively considerable ROG and PM_{10} emissions generated during operation of the CEQA Proposed Project with the WRF Option are the same as described in Section 4.3.7.2, *CEQA Proposed Project (NEPA Build Alternative 1),* for the CEQA Proposed Project.

Impact AIR-2b. Result in a Substantial Net Increase in Any Criteria Pollutant for which the Project Region Is Nonattainment under an Applicable Federal Ambient Air Quality Standard (NEPA Impact Only)

Santa Clara County does not currently attain the NAAQS for ozone and $PM_{2.5}$. The impact analysis focuses on these pollutants or their precursors during construction and operation of the NEPA Build Alternative 1 with the WRF Option. It evaluates regional air quality effects under NEPA using the federal *de minimis* levels shown in Table 3-12 in Section 3.3.2.3, *Result in a Substantial Net Increase in Criteria Pollutants (NEPA only)*. Refer to Impact AIR-2a for the CEQA impact analysis of regional criteria pollutant emissions. Impact AIR-2a also presents additional context and information on emission sources and quantification methods.

Construction

Table 3-30 summarizes estimated annual unmitigated emissions for the NEPA Build Alternative 1 in 2037 and 2038 with construction of the WRF Option. Emissions are compared to the federal *de minimis* levels to determine the significance under NEPA. Emissions during all other construction years would be the same as presented in Table 3-21 for NEPA Build Alternative 1.

Table 3-30. Estimated Annual Unmitigated Criteria Pollutant Emissions from Construction of NEPA Build Alternative 1 with the WRF Option[a]

Select Construction Years[b]	Annual (tons per year)[c]			
	ROG	NO_X	$PM_{2.5}$ (total)[d]	SO_2
NEPA Build Alternative 1 with WRF Option				
2037	2	22	1	< 1
2038	5	21	1	< 1
de minimis Level[e]	100	100	100	100

Source: Appendix A

Note: As discussed in Section 3.3.1.1, *Construction*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

[a.] Values are rounded to the nearest whole number. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

[b.] The WRF would be constructed in 2037 and 2038. Emissions during all other construction years would be the same as presented in Table 3-21 for NEPA Build Alternative 1.

[c.] Presents the total emissions estimate during each year of construction.

[d.] Total $PM_{2.5}$ emissions consist of exhaust and fugitive dust emissions.

[e.] The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; ROG = reactive organic gases; SO_2 = sulfur dioxide

Table 3-30 indicates that annual unmitigated construction emissions would not exceed federal *de minimis* levels. Mitigation Measures AQ-1 through AQ-4, HAZ-1, and GHG-1, which are required to address construction impacts under CEQA (see Impact AIR-2a), would further reduce emissions. Because emissions do not exceed the *de minimis* levels, a general conformity determination for construction is not required.

Full Operations

Table 3-31 summarizes total annual unmitigated operational emissions for the NEPA Build Alternative 1 with the WRF Option under full-build conditions. The net increase in operational emissions of NEPA Build Alternative 1 with the WRF Option under NEPA is determined by subtracting emissions generated by the NEPA No-Action Alternative and comparing the net change to the federal *de minimis* levels. Refer to Tables 3-13 and 3-26 for emissions estimates by source category for the NEPA No-Action Alternative and NEPA Build Alternative 1 with the WRF Option, respectively.

Table 3-31. Estimated Total Annual Unmitigated Criteria Pollutant Emissions from Operation of NEPA Build Alternative 1 with the WRF Option[a]

	Annual (tons per year)			
Alternative	ROG	NO_X	$PM_{2.5}$ (total)[b]	SO_2
NEPA Build Alternative 1 WRF[c]	21.5	7.0	8.1	0.2
NEPA No-Action Alternative[d]	1.4	0.6	0.3	< 0.1
Net Change[e]	20.1	6.4	7.8	0.2
de minimis Level[f]	100	100	100	100

Source: Appendix A

Note: As discussed in Section 3.3.1.2, *Operation*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has not developed adjustment factors for SO_2 for EMFAC2021, and emissions of this pollutant may be greater than presented in this table. Application of the adjustment factors across all operational analyses for the project resulted in a less than 1 percent to 22 percent increase in mobile-source emissions, depending on the analysis year and pollutant (i.e., ROG, NO_X, or PM). It is reasonable to conclude removal of the regulations may affect estimated SO_2 emissions by the same magnitude. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

[a.] Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

[b.] Total $PM_{2.5}$ emissions consist of exhaust and fugitive dust emissions.

[c.] Refer to Table 3-26 for emissions by source.

d. Refer to Table 3-13 for emissions by source.

e. Total project (2040) emissions minus NEPA No-Action Alternative (2040) emissions.

f. The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; ROG = reactive organic gases; SO_2 = sulfur dioxide

Table 3-30 indicates that net annual unmitigated operational emissions would not exceed federal *de minimis* levels. Mitigation Measures AQ-5, AQ-6, and TRAN-1, which are required to address operational impacts under CEQA (see Impact AIR-2a), would further reduce emissions. Because emissions do not exceed the *de minimis* levels, a general conformity determination for operations is not required.

Concurrent Construction and Partial Operations

Table 3-32 summarizes annual unmitigated concurrent construction and net partial operational emissions from 2037 through 2039 for NEPA Build Alternative 1 with the WRF Option. Only those years during which emissions would differ from NEPA Build Alternative 1 are included in the tables (i.e., 2037 to 2039). Emissions during all other construction years would be the same as presented in Tables 3-23. Emissions generated by existing land uses under analysis year conditions (i.e., emissions from the NEPA No-Action Alternative during each of the future years) are subtracted from the operational results. Total net emissions are compared to the federal *de minimis* levels to determine significance under NEPA.

Table 3-32. Estimated Annual Unmitigated Criteria Pollutant Emissions from Concurrent Construction and Net Partial Operation of NEPA Build Alternative 1 with the WRF Option[a]

	Annual (tons per year)			
Select Construction Year[b]	ROG	NO_X	$PM_{2.5}$ (total)[c]	SO_2
2037[d]	18	27	7	< 1
2038[d]	21	26	7	< 1
2039[d]	19	14	6	< 1
de minimis Level[e]	100	100	100	100

Source: Appendix A

Note: As discussed in Section 3.3.1.1, *Construction*, and mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has not developed adjustment factors for SO_2 for EMFAC2021, and emissions of this pollutant may be greater than presented in this table. Application of the adjustment factors across all construction years resulted in a less than 1 percent increase in affected construction emissions, due largely to the fact that construction emissions are generated primarily by off-road equipment. Application of the adjustment factors across all operational analyses for the project resulted in a less than 1 percent to 22 percent increase in mobile-source operational emissions, depending on the analysis year and pollutant (i.e., ROG, NO_X, or PM). It is reasonable to conclude removal of the regulations may affect estimated SO_2 emissions by the same magnitude. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Values are rounded to the nearest whole number. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

b. The WRF would be constructed in 2037 and 2038 and begin operation in 2040. Emissions during years prior to 2037 would be the same as presented in Table 3-23 for NEPA Build Alternative 1.

c. Total emissions consist of exhaust and fugitive dust emissions.

d. Unmitigated construction emissions (Table 3-30 for 2037 and 2038; Table 3-21 for 2039) plus unmitigated operational emissions from buildings constructed during Phase 1. Operational emissions were quantified under 2037

opening conditions and held constant in 2038 and 2039. Emissions from existing land uses under 2037 conditions are subtracted from the operational results.

[e.] The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; ROG = reactive organic gases; SO_2 = sulfur dioxide; — = no threshold

Table 3-32 indicates that annual unmitigated concurrent construction and net partial operational emissions would not exceed federal *de minimis* levels. Mitigation Measures AQ-1 through AQ-7, HAZ-1, GHG-1, and TRAN-1, which are required to address operational impacts under CEQA (see Impact AIR-2a), would further reduce emissions. Because emissions do not exceed *de minimis* levels, a general conformity determination for concurrent construction and net partial operations is not required.

Impact AIR-3. Result in Other Emissions (Such as Those Leading to Odors) Adversely Affecting a Substantial Number of People

Overall, there would be no difference in the impact mechanism or conclusion with or without the WRF Option. Construction of the WRF in 2037 and 2038 would require additional off-road equipment and on-road vehicles beyond what is required for construction of Alternative 1, resulting in additional short-term emissions during these years. Although diesel emissions may be odorous, the additional emissions would be localized to Subarea 6 and unlikely to be discernible from other ongoing construction odors. The WRF is not considered long-term sources of substantial odors.

Cumulative Impacts

The cumulative condition is the same as described in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*, for the CEQA Proposed Project, and the cumulative impact findings for the CEQA Proposed Project with the WRF Option would be the same as for the CEQA Proposed Project. Specifically:

- The CEQA Proposed Project with the WRF Option could impede protection of regional air quality under State standards and elimination of health disparities, even after implementation of mitigation. Thus, the project would result in a cumulatively considerable impact with respect to air quality plan compliance under CEQA (air quality and health risks) and NEPA (health risks).
- Because impacts from criteria pollutants are cumulative in nature, the project-level and cumulative impact thresholds for the analysis of regional air quality impacts are the same. Thus, the analysis and conclusions presented above in Impacts AIR-2a and AIR-2b under *Project-Level Impacts* characterize the cumulative regional air quality impacts of the CEQA Proposed Project with the WRF under CEQA and NEPA, respectively.
- The CEQA Proposed Project with the WRF Option would not combine with past, present, and probable future projects to create significant cumulative odor emissions.

3.3.3.4 CEQA Proposed Project with CUP Option (NEPA Build Alternative 1 with CUP Option)

Project-Level Impacts

Impact AIR-1. Conflict with or Obstruct Implementation of the Applicable Air Quality Plan

Overall, there would be no difference in the impact mechanism or conclusion with or without the CUP Option. The same sustainability strategies described above for the CEQA Proposed Project would be implemented with the CUP Option. The CUP Option would further support the 2017 Clean Air Plan energy-sector goals by optimizing local energy generation and distribution, which, in turn, would improve overall system generation and energy conservation. However, like the CEQA Proposed Project, the CEQA Proposed Project with the CUP Option would result in ROG and PM_{10} emissions (see Impact AIR-2a) as well as cancer risks and $PM_{2.5}$ concentrations above the Air District's thresholds (see Chapter 4). The CEQA analysis therefore finds that the project could impede protection of regional air quality and elimination of health disparities under State standards, and it would obstruct implementation of the 2017 Clean Air Plan under CEQA, even with implementation of Mitigation Measures AQ-1 through AQ-7, GHG-1, HAZ-1, HRA-1, HRA-2, and TRAN-1. The NEPA analysis finds that the project would conflict with the 2017 Clean Air Plan with respect to community health goals.

Mitigation Measure AQ-1. Electric Equipment and Emissions Controls for Off-Road Diesel Engines during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-2. Zero-Emission On-Road Vehicles during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-3. Fugitive Dust Control

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-4. Low-VOC Coatings during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-5. Low-VOC Non-Residential Coatings and Cleaning Supplies during Operations

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-6. Electric Landscaping Equipment during Operations

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-7. Offset Combined Construction and Net Partial Operational ROG and PM_{10} Emissions

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure HRA-1. Enhanced Dust Control

Refer to measure description in Section 4.3.7.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure HRA-2. Promote Safe Work Practices to Limit Emissions Exposure During Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure HAZ-1. Implement the Environmental Issues Management Plan

See discussion for the CEQA Proposed Project under Impact CEQA-HAZ-1 in Section 3.9, Haz*ards and Hazardous Materials*, of this joint EIR/EIS.

Mitigation Measure GHG-1. Best Management Practices for Construction-Related GHG Emissions

Refer to measure description in Section 5.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure TRAN-1. Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Impact AIR-2a. Result in a Cumulatively Considerable Net Increase in any Criteria Pollutant for which the Project Region is in Nonattainment under an Applicable Federal or State Ambient Air Quality Standard (CEQA Impact Only)

Santa Clara County does not currently attain the NAAQS or CAAQS for ozone and $PM_{2.5}$, or the CAAQS for PM_{10}. The impact analysis focuses on these pollutants or their precursors during construction and operation of the CEQA Proposed Project with the CUP Option. It evaluates regional air quality impacts under CEQA using the Air District's thresholds shown in Table 3-11 in Section 3.3.2.2, *Result in a Cumulatively Considerable Net Increase in Criteria Pollutants (CEQA only)*. Refer to Impact AIR-2b for the NEPA effects analysis of regional criteria pollutant emissions.

Construction

Construction of the CUP in 2034 and 2035 would require additional off-road equipment and on-road vehicles beyond what is required for construction of the CEQA Proposed Project, resulting in additional short-term emissions during these years. Table 3-33 summarizes estimated unmitigated emissions for the CEQA Proposed Project in 2034 and 2035 with construction of the CUP Option. Table 3-34 summarizes estimated emissions for these same years with implementation of Mitigation Measures AQ-1 and AQ-4, which are discussed further in Section 3.3.3.2. Mitigation Measures AQ-2 and HAZ-1 are not quantified; Mitigation Measure GHG-1 is partially quantified (off-road engine

controls) for the reasons discussed in Section 3.3.3.2. Mitigation Measures AQ-3 and HAZ-1 would control fugitive dust; it would not directly reduce ROG, NO_X, or PM exhaust. Emissions during all other construction years would be the same as presented in Tables 3-15 (unmitigated) and 3-16 (mitigated) for the CEQA Proposed Project. Emissions are compared to the Air District's project-level thresholds to determine significance under CEQA.

Table 3-33. Estimated Average Daily Unmitigated Criteria Pollutant Emissions from Construction of the CEQA Proposed Project with the CUP Option[a]

Select Construction Years[b]	Average Daily (pounds per day)[c]			
	ROG	NO_X	PM_{10} (exhaust)	$PM_{2.5}$ (exhaust)
CEQA Proposed Project with CUP Option				
2034	10	**105**	2	2
2035	26	**99**	2	2
Air District Threshold[d]	54	54	82	54

Source: Appendix A

Note: As discussed in Section 3.3.1.1, *Construction*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. The CUP would be constructed in 2034 and 2035. Emissions during all other construction years would be the same as presented in Table 3-15 for the CEQA Proposed Project.

c. Presents the average emissions estimate during a single day of construction in each year.

d. In developing the average daily thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA. The Air District also considers fugitive dust emissions significant without application of BMPs.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-34. Estimated Average Daily Mitigated Criteria Pollutant Emissions from Construction of the CEQA Proposed Project with the CUP Option[a]

Select Construction Years[b]	Average Daily (pounds per day)[c]			
	ROG	NO_X	PM_{10} (exhaust)	$PM_{2.5}$ (exhaust)
CEQA Proposed Project with CUP Option				
2034	2	23	1	1
2035	10	16	< 1	< 1
Air District Threshold[d]	54	54	82	54

Source: Appendix A

Note: As discussed in Section 3.3.1.1, *Construction*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Emissions results include Mitigation Measures AQ-1 and AQ-4. Mitigation Measures AQ-2 and HAZ-1 are not quantified; Mitigation Measure GHG-1 is partially quantified (off-road engine controls). Mitigation Measures AQ-3 and HAZ-1 would not reduce ROG, NO_X, or PM exhaust emissions. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. The CUP would be constructed in 2034 and 2035. Emissions during all other construction years would be the same as presented in Table 3-16 for the CEQA Proposed Project.

c. Presents the average emissions estimate during a single day of construction in each year.

[d.] In developing the average daily thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA. The Air District also considers fugitive dust emissions significant without application of BMPs.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Compared to the CEQA Proposed Project, the intensity of emissions would be greater with the CUP Option during the years of facility construction. Table 3-33 indicates that construction of the CEQA Proposed Project with the CUP Option would exceed the Air District's average daily NO_X threshold in 2034 and 2035. Exceedances of the NO_X threshold would occur in all other years, except 2030, 2036, and 2039, as reported in Table 3-15, with the CEQA Proposed Project. Fugitive dust emissions would be uncontrolled prior to mitigation and thus conflict with the Air District's fugitive dust threshold. Like the CEQA Proposed Project, there would be no exceedances of the Air District's ROG, PM_{10} (exhaust), or $PM_{2.5}$ (exhaust) thresholds with the CUP Option.

Implementation of Mitigation Measures AQ-1 and AQ-2 is required to reduce NO_X emissions from off-road equipment and on-road vehicles, respectively. Mitigation Measure GHG-1 would also achieve NO_X reductions through idling limitations, locally sourced materials, and BMPs. Mitigation Measure AQ-3 ensures compliance with the Air District's basic fugitive dust control measures. Although unmitigated ROG emissions are not projected to exceed the Air District's threshold, Mitigation Measure AQ-4 is also required during construction to address overlapping construction and partial operational emissions, which are assessed further below.

Tables 3-16 and 3-34 indicate that construction of the CEQA Proposed Project with the CUP Option would not exceed the Air District's average daily NO_X threshold with Mitigation Measure AQ-1. Mitigation Measures AQ-2 and GHG-1 would achieve additional NO_X reductions, beyond those shown in the table. Mitigation Measures AQ-3 and HAZ-1 ensure compliance with the Air District's fugitive dust control threshold. Implementation of Mitigation Measure AQ-4 would further reduce ROG emissions from architectural coatings. The Air District's thresholds were established to prevent emission from new projects in the SFBAAB from contributing to violations of the CAAQS and NAAQS. Because mitigated construction emissions would not exceed the Air District's thresholds, the CEQA Proposed Project with the CUP Option would not result in a cumulatively considerable increase in regional pollution in the SFBAAB.

Mitigation Measure AQ-1. Electric Equipment and Emissions Controls for Off-Road Diesel Engines during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-2. Zero-Emission On-Road Vehicles during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-3. Fugitive Dust Control

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-4. Low-VOC Coatings during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure GHG-1. Best Management Practices for Construction-Related GHG Emissions

Refer to measure description in Chapter 5, *Greenhouse Gases and Climate Change*, Section 5.3.3, *Impacts*, under Impact GHG-1.

Mitigation Measure HAZ-1. Implement the Environmental Issues Management Plan

See discussion for the CEQA Proposed Project under Impact CEQA-HAZ-1 in Section 3.9, Haz*ards and Hazardous Materials*, of this joint EIR/EIS.

Full Operations

Except for stationary sources, operational emissions under the CEQA Proposed Project with the CUP Option would be the same as presented in Tables 3-17 (unmitigated) and 3-18 (mitigated) for the CEQA Proposed Project. One additional emergency generator would be maintained to support the CUP. The CUP would also only operate eight cooling towers instead of twelve.

Table 3-35 presents estimated unmitigated operational emissions for the CEQA Proposed Project with the CUP Option. Table 3-36 presents estimated operational emissions with implementation of Mitigation Measures AQ-5, AQ-6, and TRAN-1, which are discussed further in Section 3.3.3.2. Emissions from mobile, area, and fugitive sources would be the same as estimated for the CEQA Proposed Project, and they are included in the tables to enable a total emissions summation. Total emissions under existing (2024) conditions are also presented; refer to Table 3-13 for additional detail. The net increase in operational emissions from the CEQA Proposed Project with the CUP Option is determined by subtracting existing (2024) operational emissions from the project's estimated operational emissions at full buildout. The net emissions are compared to the Air District's project-level thresholds to determine significance under CEQA.

Table 3-35. Estimated Average Daily and Annual Unmitigated Criteria Pollutant Emissions from Operation of the CEQA Proposed Project with the CUP Option[a]

	Average Daily (pounds per day)				Annual (tons per year)			
Source	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]
Project (2040)								
Mobile	41.1	34.9	119.2	30.5	7.5	6.4	21.8	5.6
Area	68.3	0.6	0.1	0.1	12.5	0.1	< 0.1	< 0.1
Fugitive	7.7	< 0.1	< 0.1	< 0.1	1.4	< 0.1	< 0.1	< 0.1
Stationary	0.9	2.9	9.2	9.2	0.2	0.5	1.7	1.7
Total	118.0	38.4	128.6	39.9	21.5	7.0	23.5	7.3
Existing (2024)[c]	1.9	0.6	0.7	0.2	0.3	0.1	0.1	< 0.1
Net Change[d]	**116.1**	37.8	**127.9**	39.7	**21.2**	6.9	**23.3**	7.2
Air District Threshold[e]	54	54	82	54	10	10	15	10

Source: Appendix A

Note: As discussed in Section 3.3.1.2, *Operation*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c. Refer to Table 3-13 for emissions by source.

d. Total project (2040) emissions minus total existing (2024) emissions.

e. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-36. Estimated Average Daily and Annual Mitigated Criteria Pollutant Emissions from Operation of the CEQA Proposed Project with the CUP Option[a]

Source	Average Daily (pounds per day)				Annual (tons per year)			
	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]
Project (2040)								
Mobile	38.0	32.2	110.2	28.3	6.9	5.9	20.1	5.2
Area	49.2 [c]	< 0.1	< 0.1	< 0.1	9.0	< 0.1	< 0.1	< 0.1
Fugitive	7.7	< 0.1	< 0.1	< 0.1	1.4	< 0.1	< 0.1	< 0.1
Stationary	0.9	2.9	9.2	9.2	0.2	0.5	1.7	1.7
Total	95.8	35.1	119.5	37.5	17.5	6.4	21.8	6.8
Existing (2024)[d]	1.9	0.6	0.7	0.2	0.3	0.1	0.1	< 0.1
Net Change[e]	**93.9**	34.6	**118.8**	37.3	**17.1**	6.3	**21.7**	6.8
Air District Threshold[f]	54	54	82	54	10	10	15	10

Source: Appendix A

Note: As discussed in Section 3.3.1.2, *Operation*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Emissions results include implementation of Mitigation Measures AQ-5, AQ-6, and TRAN-1. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c. The mitigation analysis conservatively assumes use of only low-VOC paints (i.e., less than 50 grams per liter VOC), which is required, at a minimum, by Mitigation Measure AQ-5. The measure also requires no-VOC paints (i.e., less than 5 grams per liter of VOC) where locally (i.e., within 50 miles of the Project Site) and commercially available for the coating type. Where no-VOC paints are used, emissions would be less than presented above.

d. Refer to Table 3-13 for emissions by source.

e. Total project (2040) emissions minus total existing (2024) emissions.

f. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-35 indicates that future net operational emissions with the CUP Option under full-build conditions would exceed the Air District's daily and annual thresholds for ROG and PM_{10}. This impact finding is the same as the CEQA Proposed Project, although compared to the CEQA Proposed Project, the CUP Option would result in slightly higher ROG and NO_X emissions due to operation of an additional generator. PM_{10} and $PM_{2.5}$ emissions would be slightly reduced under the CUP Option due to the operation of fewer cooling towers.

Implementation of Mitigation Measures AQ-5, AQ-6, and TRAN-1 is required to reduce operational emissions. Table 3-36 indicates that ROG and PM_{10} emissions would still exceed the Air District's thresholds with implementation of project design features and mitigation. The project design features and Mitigation Measures AQ-5, AQ-6, and TRAN-1 collectively represent best-available control strategies to reduce operational emissions resulting from buildout of a large-scale development project. There is no feasible mitigation beyond these measures and the project design features to reduce operational ROG and PM_{10} emissions below the Air District's thresholds.

Mitigation Measure AQ-5. Low-VOC Non-Residential Coatings and Cleaning Supplies during Operations

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-6. Electric Landscaping Equipment during Operations

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure TRAN-1. Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Concurrent Construction and Partial Operations

The CUP would be constructed in 2034 and 2035 and would begin operation in 2037. Prior to 2034, concurrent construction and net partial operational activities under the CEQA Proposed Project with the CUP Option would be the same as analyzed for the CEQA Proposed Project.[30]

Table 3-37 presents concurrent unmitigated construction and net partial operational emissions for the CEQA Proposed Project with the CUP Option. Table 3-38 presents concurrent mitigated construction and net partial operational emissions for the CEQA Proposed Project with the CUP Option. The results account for anticipated emissions benefits from Mitigation Measures AQ-1, AQ-3 through AQ-6 and TRAN-1 (Mitigation Measures AQ-2, HAZ-1, and GHG-1 are not quantified or fully quantified for the reasons discussed in Section 3.3.3.2). Only those years during which emissions would differ from the CEQA Proposed Project are included in the tables (i.e., 2034 to 2039). Emissions during all other construction years would be the same as presented in Tables 3-19 (unmitigated) and 3-20 (mitigated) for the CEQA Proposed Project. Emissions from existing land uses (Table 3-13) are subtracted from the operational results. Total net emissions during each analysis year are compared to the Air District's project-level thresholds to determine significance under CEQA.

[30] Without the CUP Option, two cooling towers would operate during phase 1 and five cooling towers during phases 1 and 2. These towers would generate minor amounts of PM10 and PM2.5 that would not occur prior to 2034 with the CUP Option. Although these emissions would be reduced with the CUP Option, the reduction would be negligible compared to Build Alternative 1.

Table 3-37. Estimated Average Daily and Annual Unmitigated Criteria Pollutant Emissions from Concurrent Construction and Net Partial Operation of the CEQA Proposed Project with the CUP Option[a]

Select Construction Year[b]	Average Daily (pounds per day)				Annual (tons per year)			
	ROG	NO_X	PM_{10} (total)[c]	$PM_{2.5}$ (total)[c]	ROG	NO_X	PM_{10} (total)[c]	$PM_{2.5}$ (total)[c]
2034[d]	**82**	**129**	**92**	25	**15**	**24**	**17**	5
2035[d]	**97**	**123**	**87**	24	**18**	**22**	**16**	4
2036[d]	**86**	**72**	**82**	22	**16**	**13**	**15**	4
2037[e]	**103**	**132**	**119**	35	**19**	**24**	**22**	6
2038[e]	**120**	**138**	**114**	34	**22**	**25**	**21**	6
2039[e]	**109**	**78**	**105**	31	**20**	**14**	**19**	6
Air District Threshold[f]	54	54	82	54	10	10	15	10

Source: Appendix A

Note: As discussed in Section 3.3.1.1, *Construction*, and Section 3.3.1.2, *Operation*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. The CUP would be constructed in 2034 and 2035 and begin operation in 2037. Emissions during years prior to 2034 would be the same as presented in Table 3-18 for the CEQA Proposed Project.

c. Total emissions consist of exhaust and fugitive dust emissions.

d. Unmitigated construction emissions (Table 3-33 for 2034 and 2035; Table 3-15 for 2036) plus unmitigated operational emissions from buildings constructed during Phases 1 and 2. Operational emissions were quantified under 2034 opening conditions and held constant in 2035 and 2036. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

e. Unmitigated construction emissions (Table 3-15) plus unmitigated operational emissions from buildings constructed during Phases 1 through 3. Operational emissions were quantified under 2037 opening conditions and held constant in 2038 and 2039. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

f. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-38. Estimated Average Daily and Annual Mitigated Criteria Pollutant Emissions from Concurrent Construction and Net Partial Operation of the CEQA Proposed Project with the CUP Option[a]

Select Construction Year[b]	Average Daily (pounds per day)				Annual (tons per year)			
	ROG	NO_X	PM_{10} (total)[c]	$PM_{2.5}$ (total)[c]	ROG	NO_X	PM_{10} (total)[c]	$PM_{2.5}$ (total)[c]
2034[d]	**62**	45	**84**	22	**11**	8	**15**	4
2035[d]	**69**	38	79	21	**13**	7	14	4
2036[d]	**65**	33	76	20	**12**	6	14	4
2037[e]	**78**	53	**110**	32	**14**	10	**20**	6
2038[e]	**86**	44	**106**	31	**16**	8	**19**	6
2039[e]	**82**	32	**98**	29	**15**	6	**18**	5
Air District Threshold[f]	54	54	82	54	10	10	15	10

Source: Appendix A

Note: As discussed in Section 3.3.1.1, *Construction*, and Section 3.3.1.2, *Operation*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Construction emissions include Mitigation Measures AQ-1, AQ-3, and AQ-4 (Mitigation Measures AQ-2 and HAZ-1 are not quantified; Mitigation Measure GHG-1 is partially quantified [off-road engine controls]). Operational emissions include Mitigation Measures AQ-5, AQ-6, and TRAN-1. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. The CUP would be constructed in 2034 and 2035 and begin operation in 2037. Emissions during years prior to 2034 would be the same as presented in Table 3-19 for the CEQA Proposed Project.

c. Total emissions consist of exhaust and fugitive dust emissions.

d. Mitigated construction emissions (Table 3-34 for 2034 and 2035; Table 3-16 for 2036) plus mitigated operational emissions from buildings constructed during Phases 1 and 2. Operational emissions were quantified under 2034 opening conditions and held constant in 2035 and 2036. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

e. Mitigated construction emissions (Table 3-16) plus mitigated operational emissions from buildings constructed during Phases 1 through 3. Operational emissions were quantified under 2037 opening conditions and held constant in 2038 and 2039. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

f. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Compared to the CEQA Proposed Project, the intensity of combined ROG and NO_X emissions would be slightly greater with the CUP Option during the years of facility construction (i.e., 2034 and 2035). PM_{10} and $PM_{2.5}$ emissions would be reduced during all analysis years under the CUP Option due to the operation of fewer cooling towers. However, the impact conclusions would be the same as the CEQA Proposed Project, and combined construction and net partial operational emissions with the CUP Option would exceed the Air District's ROG, NO_X, and PM_{10} thresholds. Project design features and Mitigation Measures AQ-1 through AQ-6, HAZ-1, GHG-1, and TRAN-1 would reduce NO_X emissions to below Air District thresholds, but ROG and PM_{10} emissions would remain elevated. Like Alternative 1, ROG emissions would exceed thresholds 2034 through 2039. PM_{10} emissions would exceed thresholds only in 2034 and 2037 through 2039. Mitigation Measure AQ-7 is required to offset ROG and PM_{10} emissions to levels below Air District thresholds. As such, neither ROG nor PM_{10} emissions would contribute a cumulatively considerable significant level of air pollution such that regional air quality within the SFBAAB would be degraded. However, for the reasons described above, ROG and PM_{10} emissions during project operations after the 6 years of overlapping construction and operations would not be mitigated to a level of less than significant or less than cumulatively considerable.

Mitigation Measure AQ-1. Electric Equipment and Emissions Controls for Off-Road Diesel Engines during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-2. Zero-Emission On-Road Vehicles during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-3. Fugitive Dust Control

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-4. Low-VOC Coatings during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-5. Low-VOC Non-Residential Coatings and Cleaning Supplies during Operations

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-6. Electric Landscaping Equipment during Operations

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-7. Offset Combined Construction and Net Partial Operational ROG and PM_{10} Emissions

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure GHG-1. Best Management Practices for Construction-Related GHG Emissions

Refer to measure description in Chapter 5, *Greenhouse Gases and Climate Change*, Section 5.3.3, *Impacts*, under Impact GHG-1.

Mitigation Measure HAZ-1. Implement the Environmental Issues Management Plan

See discussion for the CEQA Proposed Project under Impact CEQA-HAZ-1 in Section 3.9, Haz*ards and Hazardous Materials*, of this joint EIR/EIS.

Mitigation Measure TRAN-1. Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Potential Health Outcomes of Cumulatively Considerable Regional Criteria Pollutant Emissions

The potential health outcomes of cumulatively considerable ROG and PM_{10} emissions generated during operation of the CEQA Proposed Project with the CUP Option are the same as described in Section 4.3.7.2, *CEQA Proposed Project (NEPA Build Alternative 1),* for the CEQA Proposed Project.

Impact AIR-2b. Result in a Substantial Net Increase in Any Criteria Pollutant for which the Project Region Is Nonattainment under an Applicable Federal Ambient Air Quality Standard (NEPA Impact Only)

Santa Clara County does not currently attain the NAAQS for ozone and $PM_{2.5}$. The impact analysis focuses on these pollutants or their precursors during construction and operation of NEPA Build Alternative 1 with the CUP Option. It evaluates regional air quality effects under NEPA using the federal *de minimis* levels shown in Table 3-12 in Section 3.3.2.3, *Result in a Substantial Net Increase in Criteria Pollutants (NEPA only)*. Refer to Impact AIR-2a for the CEQA impact analysis of regional criteria pollutant emissions. Impact AIR-2a also presents additional context and information on emission sources and quantification methods.

Construction

Table 3-39 summarizes estimated annual unmitigated emissions for NEPA Build Alternative 1 in 2034 and 2035 with construction of the CUP Option. Emissions are compared to the federal *de minimis* levels to determine the significance under NEPA. Emissions during all other construction years would be the same as presented in Table 3-21 for NEPA Build Alternative 1.

Table 3-39. Estimated Annual Unmitigated Criteria Pollutant Emissions from Construction of NEPA Build Alternative 1 with the CUP Option[a]

Select Construction Years[b]	Annual (tons per year)[c]			
	ROG	NO_X	$PM_{2.5}$ (total)[d]	SO_2
NEPA Build Alternative 1 with CUP Option				
2034	2	19	1	< 1
2035	5	18	1	< 1
de minimis Level[e]	100	100	100	100

Source: Appendix A

Note: As discussed in Section 3.3.1.1, *Construction*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has not developed adjustment factors for SO_2 for EMFAC2021, and emissions of this pollutant may be greater than presented in this table. Application of the adjustment factors across all construction years resulted in a less than 1 percent increase in affected emissions, due largely to the fact that construction emissions are generated primarily by off-road equipment. It is reasonable to conclude removal of the regulations may affect estimated SO_2 emissions by the same magnitude. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Values are rounded to the nearest whole number. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

b. The CUP would be constructed in 2034 and 2035. Emissions during all other construction years would be the same as presented in Table 3-21 for NEPA Build Alternative 1.

c. Presents the total emissions estimate during each year of construction.

d. Total $PM_{2.5}$ emissions consist of exhaust and fugitive dust emissions.

e. The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; ROG = reactive organic gases; SO_2 = sulfur dioxide

Table 3-39 indicates that annual unmitigated construction emissions would not exceed the federal *de minimis* levels. Mitigation Measures AQ-1 through AQ-4, HAZ-1, and GHG-1, which are required to address construction impacts under CEQA (see Impact AIR-2a), would further reduce emissions. Because emissions do not exceed *de minimis* levels, a general conformity determination for construction is not required.

Full Operations

Table 3-40 summarizes total annual unmitigated operational emissions for NEPA Build Alternative 1 with the CUP Option under full-build conditions. The net increase in operational emissions from NEPA Build Alternative 1 with the CUP Option under NEPA is determined by subtracting emissions generated by the NEPA No-Action Alternative and comparing the net change to the federal *de minimis* levels. Refer to Tables 3-13 and 3-26 for emissions estimates by source category for the NEPA No-Action Alternative and NEPA Build Alternative 1 with the CUP Option, respectively.

Table 3-40. Estimated Total Annual Unmitigated Criteria Pollutant Emissions from Operation of NEPA Build Alternative 1 with the CUP Option[a]

	Annual (tons per year)			
Alternative	ROG	NO_X	$PM_{2.5}$ (total)[b]	SO_2
NEPA Build Alternative 1 CUP[c]	21.5	7.0	7.3	0.2
NEPA No-Action Alternative[d]	1.4	0.6	0.3	<0.1
Net Change[e]	20.1	6.4	6.9	0.2
de minimis Level[f]	100	100	100	100

Source: Appendix A

Note: As discussed in Section 3.3.1.2, *Operation*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has not developed adjustment factors for SO_2 for EMFAC2021, and emissions of this pollutant may be greater than presented in this table. Application of the adjustment factors across all operational analyses for the project resulted in a less than 1 percent to 22 percent increase in mobile-source emissions, depending on the analysis year and pollutant (i.e., ROG, NO_X, or PM). It is reasonable to conclude removal of the regulations may affect estimated SO_2 emissions by the same magnitude. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

b. Total $PM_{2.5}$ emissions consist of exhaust and fugitive dust emissions.

c. Refer to Table 3-26 for emissions by source.

d. Refer to Table 3-13 for emissions by source.

e. Total project (2040) emissions minus NEPA No-Action Alternative (2040) emissions.

f. The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; ROG = reactive organic gases; SO_2 = sulfur dioxide

Table 3-40 indicates that net annual unmitigated operational emissions would not exceed the federal *de minimis* levels. Mitigation Measures AQ-5, AQ-6, and TRAN-1, which are required to address operational impacts under CEQA (see Impact AIR-2a), would further reduce emissions. Because emissions do not exceed *de minimis* levels, a general conformity determination for operations is not required.

Concurrent Construction and Partial Operations

Table 3-41 summarizes annual unmitigated concurrent construction and net partial operational emissions from 2034 through 2039 for NEPA Build Alternative 1 with the CUP Option. Only those years during which emissions would differ from NEPA Build Alternative 1 are included in the tables (i.e., 2034 to 2039). Emissions during all other construction years would be the same as presented in Tables 3-23. Emissions generated by existing land uses under analysis year conditions (i.e., emissions from the NEPA No-Action Alternative during each of the future years) are subtracted from the operational results. Total net emissions are compared to the federal *de minimis* levels to determine significance under NEPA.

Table 3-41. Estimated Annual Unmitigated Criteria Pollutant Emissions from Concurrent Construction and Net Partial Operation of NEPA Build Alternative 1 with the CUP Option [a]

	Annual (tons per year)			
Select Construction Year[b]	ROG	NO_X	$PM_{2.5}$ (total)[c]	SO_2
2034[d]	14	23	4	< 1

	Annual (tons per year)			
Select Construction Year[b]	ROG	NO_X	$PM_{2.5}$ (total)[c]	SO_2
2035[d]	17	22	4	< 1
2036[d]	15	13	4	< 1
2037[e]	18	23	6	< 1
2038[e]	21	25	6	< 1
2039[e]	19	14	5	< 1
de minimis Level[f]	100	100	100	100

Source: Appendix A

Note: As discussed in Section 3.3.1.1, *Construction*, and mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has not developed adjustment factors for SO_2 for EMFAC2021, and emissions of this pollutant may be greater than presented in this table. Application of the adjustment factors across all construction years resulted in a less than 1 percent increase in affected construction emissions, due largely to the fact that construction emissions are generated primarily by off-road equipment. Application of the adjustment factors across all operational analyses for the project resulted in a less than 1 percent to 22 percent increase in mobile-source operational emissions, depending on the analysis year and pollutant (i.e., ROG, NO_X, or PM). It is reasonable to conclude removal of the regulations may affect estimated SO_2 emissions by the same magnitude. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Values are rounded to the nearest whole number. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

b. The CUP would be constructed in 2034 and 2035 and begin operation in 2037. Emissions during years prior to 2034 would be the same as presented in Table 3-23 for NEPA Build Alternative 1.

c. Total emissions consist of exhaust and fugitive dust emissions.

d. Unmitigated construction emissions (Table 3-39 for 2034 and 2035; Table 3-21 for 2036) plus unmitigated operational emissions from buildings constructed during Phases 1 and 2. Operational emissions were quantified under 2034 opening conditions and held constant in 2035 and 2036. Emissions from existing land uses under 2034 conditions are subtracted from the operational results.

e. Unmitigated construction emissions (Table 3-21) plus unmitigated operational emissions from buildings constructed during Phases 1 through 3. Operational emissions were quantified under 2037 opening conditions and held constant in 2038 and 2039. Emissions from existing land uses under 2037 conditions are subtracted from the operational results.

f. The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; ROG = reactive organic gases; SO_2 = sulfur dioxide; — = no threshold

Table 3-41 indicates that annual unmitigated concurrent construction and net partial operational emissions would not exceed the federal *de minimis* levels. Mitigation Measures AQ-1 through AQ-7, HAZ-1, GHG-1, and TRAN-1, which are required to address operational impacts under CEQA (see Impact AIR-2a), would further reduce emissions. Because emissions do not exceed *de minimis* levels, a general conformity determination for concurrent construction and net partial operations is not required.

Impact AIR-3. Result in Other Emissions (Such as Those Leading to Odors) Adversely Affecting a Substantial Number of People

Overall, there would be no difference in the impact mechanism or conclusion with or without the CUP Option. Construction of the CUP in 2034 and 2035 would require additional off-road equipment and on-road vehicles beyond what is required for construction of Alternative 1, resulting in additional short-term emissions during these years. Although diesel emissions may be odorous, the

additional emissions would be localized to Subarea 6 and unlikely to be discernible from other ongoing construction odors. The CUP is not considered a long-term source of substantial odors.

Cumulative Impacts

The cumulative condition is the same as described in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*, for the CEQA Proposed Project, and the cumulative impact findings for the CEQA Proposed Project with the CUP Option would be the same as for the CEQA Proposed Project. Specifically:

- The CEQA Proposed Project with the CUP Option could impede protection of regional air quality under State standards and elimination of health disparities, even after implementation of mitigation. Thus, the project would result in a cumulatively considerable impact with respect to air quality plan compliance under CEQA (air quality and health risks) and NEPA (health risks).
- Because impacts from criteria pollutants are cumulative in nature, the project-level and cumulative impact thresholds for the analysis of regional air quality impacts are the same. Thus, the analysis and conclusions presented above in Impacts AIR-2a and AIR-2b under *Project-Level Impacts* characterize the cumulative regional air quality impacts of the CEQA Proposed Project with the CUP Option under CEQA and NEPA, respectively.
- The CEQA Proposed Project with the CUP Option, together with past, present, and probable future projects, would not result in significant cumulative odor emissions.

3.3.3.5 CEQA Proposed Project No Student/Faculty Housing Variant (NEPA Build Alternative 1, No Student/Faculty Housing Sub-Alternative)

Project-Level Impacts

Impact AIR-1. Conflict with or obstruct implementation of the applicable air quality plan

Overall, there would be no difference in the impact mechanism or conclusion between the CEQA Proposed Project and the CEQA Proposed Project with the Variant. The same sustainability strategies described above for the CEQA Proposed Project would be implemented under the Variant. Like the CEQA Proposed Project, the Variant/Sub-Alternative would result in ROG and PM_{10} emissions (see Impact AIR-2a) as well as cancer risks and $PM_{2.5}$ concentrations above the Air District's thresholds (see Chapter 4). The CEQA analysis therefore finds that the Variant could impede protection of regional air quality and elimination of health disparities under State standards, and it would obstruct implementation of the 2017 Clean Air Plan under CEQA, even with implementation of Mitigation Measures AQ-1 through AQ-7, GHG-1, HAZ-1, HRA-1, HRA-2, and TRAN-1. The NEPA analysis finds that the Variant would conflict with the 2017 Clean Air Plan with respect to community health goals.

Mitigation Measure AQ-1. Electric Equipment and Emissions Controls for Off-Road Diesel Engines during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-2. Zero-Emission On-Road Vehicles during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-3. Fugitive Dust Control

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-4. Low-VOC Coatings during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-5. Low-VOC Non-Residential Coatings and Cleaning Supplies during Operations

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-6. Electric Landscaping Equipment during Operations

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-7. Offset Combined Construction and Net Partial Operational ROG and PM_{10} Emissions

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure HRA-1. Enhanced Dust Control

Refer to measure description in Section 4.3.7.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure HRA-2. Promote Safe Work Practices to Limit Emissions Exposure During Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure HAZ-1. Implement the Environmental Issues Management Plan

See discussion for the CEQA Proposed Project under Impact CEQA-HAZ-1 in Section 3.9, Haz*ards and Hazardous Materials*, of this joint EIR/EIS.

Mitigation Measure GHG-1. Best Management Practices for Construction-Related GHG Emissions

Refer to measure description in Section 5.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure TRAN-1. Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Impact AIR-2a. Result in a cumulatively considerable net increase in any criteria pollutant for which the project region is nonattainment under an applicable federal or State ambient air quality standard (CEQA impact only)

Santa Clara County does not currently attain the NAAQS or CAAQS for ozone and $PM_{2.5}$, or the CAAQS for PM_{10}. The impact analysis focuses on these pollutants or their precursors during construction and operation of the CEQA Proposed Project with the Variant. It evaluates regional air quality impacts under CEQA using the Air District's thresholds shown in Table 3-11 in Section 3.3.2.2, *Result in a Cumulatively Considerable Net Increase in Criteria Pollutants (CEQA only)*. Refer to Impact AIR-2b for the NEPA effects analysis of regional criteria pollutant emissions.

Construction

The same construction activities proposed and evaluated under the CEQA Proposed Project would occur under the Variant. The intensity of construction for the CEQA Proposed Project with or without the Variant would therefore be the same, except for architectural coatings. Because the Variant does not include residential construction during Phase 4, the total coated area from architectural coatings would be lower under the Variant.

Table 3-42 summarizes estimated ROG emissions from construction of Phase 4 under the Variant. The table presents emissions with and without Mitigation Measures AQ-1 and AQ-4, which are discussed further in Section 3.3.3.2. Mitigation Measures AQ-2 and HAZ-1 not quantified; Mitigation Measure GHG-1 is partially quantified (off-road engine controls) for the reasons discussed in Section 3.3.3.2. Mitigation Measures AQ-3 and HAZ-1 would control fugitive dust; it would not directly reduce ROG. Emissions are compared to the Air District's project-level thresholds to determine significance under CEQA. Emissions of all other pollutants during all other construction years would be the same as presented in Tables 3-15 (unmitigated) and 3-16 (mitigated) for the CEQA Proposed Project.

Table 3-42. Estimated Average Daily Unmitigated and Mitigated ROG Emissions from Construction of Phase 4 Under the CEQA Proposed Project with the Variant[a]

Selected Construction Year[b]	Average Daily (pounds per day)[c]	
	Unmitigated	With Mitigation[d]
2036	15	6
2037	10	3
2038	26	10
2039	19	7
Air District Threshold[e]	54	54

Source: Appendix A

Note: As discussed in Section 3.3.1.1, *Construction*, mobile-source emissions of ROG have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

[b.] The intensity of construction for the CEQA Proposed Project with or without the Variant would be the same, except for architectural coatings during Phase 4. Emissions of all pollutants except ROG during Phase 4 (2036–2039) would be the same as presented in Tables 3-15 (unmitigated) and 3-16 (mitigated) for the CEQA Proposed Project.

[c.] Presents the average emissions estimate during a single day of construction in each year.

[d.] Emissions results include implementation of Mitigation Measures AQ-1 and AQ-4. Mitigation Measures AQ-2 and HAZ-1 are not quantified; Mitigation Measure GHG-1 is partially quantified (off-road engine controls). Mitigation Measures AQ-3 and HAZ-1 would not reduce ROG emissions.

[e.] In developing the average daily thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA. The Air District also considers fugitive dust emissions significant without application of BMPs.

ROG = reactive organic gases

Table 3-42 indicates that ROG emissions generated during Phase 4 under the CEQA Proposed Project with the Variant would not exceed the Air District's threshold. ROG emissions would be comparable to those generated under the CEQA Proposed Project, albeit slightly reduced in 2038 and increased (as rounded) in 2039. Emissions of all other pollutants during all construction years would be the same the CEQA Proposed Project (see Tables 3-15 and 3-16), and as such, the following impact findings apply to the Variant:

- No exceedances of the Air District's ROG, PM_{10} (exhaust), or $PM_{2.5}$ (exhaust) thresholds.
- Violation of the Air District's fugitive dust control threshold before mitigation.
- Exceedances of the Air District's NO_X threshold in all years except 2030, 2036, and 2039 before mitigation.
- No exceedances of the Air District's NO_X threshold with Mitigation Measure AQ-1. Mitigation Measures AQ-2 and GHG-1 would achieve additional NO_X reductions beyond those shown in the table. Mitigation Measures AQ-3 and HAZ-1 ensure compliance with the Air District's fugitive dust control threshold. Implementation of Mitigation Measure AQ-4 would further reduce ROG emissions from architectural coatings.

The Air District's thresholds were established to prevent emission from new projects in the SFBAAB from contributing to violations of the CAAQS and NAAQS. Because mitigated NO_X emissions would not exceed the Air District's thresholds, the CEQA Proposed Project with the Variant would not have a significant impact or make a cumulatively considerable contribution to significant cumulative regional pollution in the SFBAAB.

Mitigation Measure AQ-1. Electric Equipment and Emissions Controls for Off-Road Diesel Engines during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-2. Zero-Emission On-Road Vehicles during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-3. Fugitive Dust Control

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-4. Low-VOC Coatings during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure GHG-1. Best Management Practices for Construction-Related GHG Emissions

Refer to measure description in Chapter 5, *Greenhouse Gases and Climate Change*, Section 5.3.3, *Impacts*, under Impact GHG-1.

Mitigation Measure HAZ-1. Implement the Environmental Issues Management Plan

See discussion for the CEQA Proposed Project under Impact CEQA-HAZ-1 in Section 3.9, Haz*ards and Hazardous Materials*, of this joint EIR/EIS.

Full Operations

The same operational sources proposed and evaluated under the CEQA Proposed Project would occur under the Variant. Table 3-43 presents estimated unmitigated operational emissions for the Variant under full-build conditions. Table 3-44 presents estimated operational emissions with implementation of Mitigation Measures AQ-5, AQ-6, and TRAN-1, which are discussed further in Section 3.3.3.2. Total emissions under existing (2024) conditions are also presented; refer to Table 3-13 for additional detail. The net increase in operational emissions from the Variant is determined by subtracting existing (2024) operational emissions from the project's estimated operational emissions at full buildout. The net emissions are compared to the Air District's project-level thresholds to determine significance under CEQA.

Table 3-43. Estimated Average Daily and Annual Unmitigated Criteria Pollutant Emissions from Operation of the CEQA Proposed Project with the Variant[a]

	Average Daily (pounds per day)				Annual (tons per year)			
Source	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]
Project (2040)								
Mobile	41.9	35.6	121.5	31.2	7.6	6.5	22.2	5.7
Area	68.2	0.6	0.1	0.1	12.4	0.1	< 0.1	< 0.1
Fugitive	8.2	< 0.1	< 0.1	< 0.1	1.5	< 0.1	< 0.1	< 0.1
Stationary	0.9	2.9	13.8	13.8	0.2	0.5	2.5	2.5
Total	119.1	39.1	135.5	45.1	21.7	7.1	24.7	8.2
Existing (2024)[c]	1.9	0.6	0.7	0.2	0.3	0.1	0.1	< 0.1
Net Change[d]	**117.3**	38.5	**134.8**	44.9	**21.4**	7.0	**24.6**	8.2
Air District Threshold[e]	54	54	82	54	10	10	15	10

Source: Appendix A

Note: As discussed in Section 3.3.1.2, *Operation*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c. Refer to Table 3-13 for emissions by source.

d. Total project (2040) emissions minus total existing (2024) emissions.

e. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-44. Estimated Average Daily and Annual Mitigated Criteria Pollutant Emissions from Operation of the CEQA Proposed Project with the Variant [a]

	Average Daily (pounds per day)				Annual (tons per year)			
Source	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]
Project (2040)								
Mobile	38.8	32.9	112.4	28.8	7.1	6.0	20.5	5.3
Area	48.9 [c]	< 0.1	< 0.1	< 0.1	8.9	< 0.1	< 0.1	< 0.1
Fugitive	8.2	< 0.1	< 0.1	< 0.1	1.5	< 0.1	< 0.1	< 0.1
Stationary	0.9	2.9	13.8	13.8	0.2	0.5	2.5	2.5
Total	96.7	35.8	126.2	42.6	17.6	6.5	23.0	7.8
Existing (2024)[d]	1.9	0.6	0.7	0.2	0.3	0.1	0.1	< 0.1
Net Change[e]	**94.8**	35.2	**125.6**	42.4	**17.3**	6.4	**22.9**	7.7
Air District Threshold[f]	54	54	82	54	10	10	15	10

Source: Appendix A

Note: As discussed in Section 3.3.1.2, *Operation*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Emissions results include implementation of Mitigation Measures AQ-5, AQ-6, and TRAN-1. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c. The mitigation analysis conservatively assumes use of only low-VOC paints (i.e., less than 50 grams per liter VOC), which is required, at a minimum, by Mitigation Measure AQ-5. The measure also requires no-VOC paints (i.e., less than 5 grams per liter of VOC) where locally (i.e., within 50 miles of the Project Site) and commercially available for the coating type. Where no-VOC paints are used, emissions would be less than presented above.

d. Refer to Table 3-13 for emissions by source.

e. Total project (2040) emissions minus total existing (2024) emissions.

f. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-43 indicates that future net operational emissions for the Variant under full-build conditions would exceed the Air District's daily and annual thresholds for ROG and PM_{10}. This impact finding is the same as the CEQA Proposed Project, although compared to the CEQA Proposed Project, the Variant would result in slightly greater net emissions due primarily to increased VMT and trip generation.

Implementation of Mitigation Measures AQ-5, AQ-6, and TRAN-1 is required to reduce operational emissions. Table 3-44 indicates that ROG and PM_{10} emissions would still exceed the Air District's thresholds with implementation of project design features and mitigation. The project design features and Mitigation Measures AQ-5, AQ-6, and TRAN-1 collectively represent best-available control strategies to reduce operational emissions resulting from buildout of a large-scale development project. There is no feasible mitigation beyond these measures and the project design features to reduce operational ROG and PM_{10} emissions below the Air District's thresholds.

Mitigation Measure AQ-5. Low-VOC Non-Residential Coatings and Cleaning Supplies during Operations

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-6. Electric Landscaping Equipment during Operations

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure TRAN-1. Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Concurrent Construction and Partial Operations

The intensity of concurrent construction and net partial operational emissions for the CEQA Proposed Project with or without the Variant would be the same, except for ROG emissions during Phase 4. Table 3-45 summarizes estimated ROG emissions from concurrent construction and net partial operational emissions during Phase 4 under the Variant. Emissions of all other pollutants during all other construction years would be the same as presented in Tables 3-19 (unmitigated) and 3-20 (mitigated) for the CEQA Proposed Project. The table presents ROG emissions with and without Mitigation Measures AQ-1, AQ-4 through AQ-6 and TRAN-1 (Mitigation Measures AQ-2, HAZ-1, and GHG-1 are not quantified or fully quantified for the reasons discussed in Section 3.3.3.2; Mitigation Measures AQ-3 and HAZ-1 would not reduce ROG emissions). Emissions from existing land uses (Table 3-13) are subtracted from the operational results. Total net emissions during each analysis year are compared to the Air District's project-level thresholds to determine significance under CEQA.

Table 3-45. Estimated Average Daily and Annual Unmitigated and Mitigated ROG Emissions from Concurrent Construction and Partial Operation of the CEQA Proposed Project with the Variant[a]

Selected Construction Year[b]	Average Daily (pounds per day)[c]		Annual (tons per year)[d]	
	Unmitigated	With Mitigation[e]	Unmitigated	With Mitigation[e]
2036	**86**	**65**	**16**	**12**
2037	**102**	**78**	**19**	**14**
2038	**118**	**85**	**22**	**16**
2039	**110**	**82**	**20**	**15**
Air District Threshold[f]	54	54	10	10

Source: Appendix A

Note: As discussed in Section 3.3.1.1, *Construction*, and Section 3.3.1.2, *Operation*, mobile-source emissions of ROG have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. The intensity of construction for the CEQA Proposed Project with or without the Variant would be the same, except for architectural coatings during Phase 4. Emissions of all pollutants except ROG during Phase 4 (2036–2039) would be the same as presented in Tables 3-19 (unmitigated) and 3-20 (mitigated) for the CEQA Proposed Project. For Phase 4 (2036–2039), results reflect construction emissions (Table 3-42) plus operational emissions from buildings constructed during Phases 1 through 3. Operational emissions were quantified under 2037 opening conditions and held constant in future years. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

c. Presents the average emissions estimate during a single day of construction in each year.

d. Presents the total emissions estimate during each year of construction.

e. Emissions results include implementation of Mitigation Measures AQ-1, AQ-4 through AQ-6, and TRAN-1. Mitigation Measures AQ-2 and HAZ-1 are not quantified; Mitigation Measure GHG-1 is partially quantified (off-road engine controls). Mitigation Measures AQ-3 and HAZ-1 would not reduce ROG emissions

f. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

ROG = reactive organic gases

The intensity of combined ROG emissions during Phase 4 would be comparable to those generated under the CEQA Proposed Project. The impact conclusions for all analysis years and pollutants would be the same as the CEQA Proposed Project, and combined construction and net partial operational emissions of the Variant would exceed the Air District's ROG, NO_X, and PM_{10} thresholds. Project design features and Mitigation Measures AQ-1 through AQ-6, HAZ-1, GHG-1, and TRAN-1 would reduce NO_X emissions to below Air District thresholds, but ROG and PM_{10} emissions would remain elevated. Mitigation Measure AQ-7 is required to offset ROG and PM_{10} emissions in 2034 through 2039 to levels below Air District thresholds. As such, neither ROG nor PM_{10} emissions would contribute a cumulatively considerable level of air pollution such that regional air quality within the SFBAAB would be degraded. However, for the reasons described above, ROG and PM_{10} emissions during project operations after the 6 years of overlapping construction and operations would not be mitigated to a level of less than significant or less than cumulatively considerable.

Mitigation Measure AQ-1. Electric Equipment and Emissions Controls for Off-Road Diesel Engines during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*.

Mitigation Measure AQ-2. Zero-Emission On-Road Vehicles during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*.

Mitigation Measure AQ-3. Fugitive Dust Control

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-4. Low-VOC Coatings during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-5. Low-VOC Non-Residential Coatings and Cleaning Supplies during Operations

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-6. Electric Landscaping Equipment during Operations

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-7. Offset Combined Construction and Net Partial Operational ROG and PM_{10} Emissions

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure GHG-1. Best Management Practices for Construction-Related GHG Emissions

Refer to measure description in Chapter 5, *Greenhouse Gases and Climate Change*, Section 5.3.3, *Impacts*, under Impact GHG-1.

Mitigation Measure HAZ-1. Implement the Environmental Issues Management Plan

See discussion for the CEQA Proposed Project under Impact CEQA-HAZ-1 in Section 3.9, Haz*ards and Hazardous Materials*, of this joint EIR/EIS.

Mitigation Measure TRAN-1. Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Potential Health Outcomes of Cumulatively Considerable Regional Criteria Pollutant Emissions

The potential health outcomes of cumulatively considerable ROG and PM_{10} emissions generated during operation of the Variant are the same as described in Section 4.3.7.2, *CEQA Proposed Project (NEPA Build Alternative 1),* for the CEQA Proposed Project.

Impact AIR-2b. Result in a substantial net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or State ambient air quality standard (NEPA impact only)

Santa Clara County does not currently attain the NAAQS for ozone and $PM_{2.5}$. The impact analysis focuses on these pollutants or their precursors during construction and operation of NEPA Build Alternative 1 with the Sub-Alternative. It evaluates regional air quality effects under NEPA using the federal *de minimis* levels shown in Table 3-12 in Section 3.3.2.3, *Result in a Substantial Net Increase in Criteria Pollutants (NEPA only)*. Refer to Impact AIR-2a for the CEQA impact analysis of regional criteria pollutant emissions. Impact AIR-2a also presents additional context and information on emission sources and quantification methods.

Construction

Table 3-46 summarizes estimated total annual unmitigated ROG emissions from construction of Phase 4 under the Sub-Alternative. Emissions are compared to the federal *de minimis* levels to determine the significance under NEPA. Emissions of all other pollutants during all other construction years would be the same as presented in Table 3-21 for NEPA Build Alternative 1.

Table 3-46. Estimated Annual Unmitigated ROG Emissions from Construction of NEPA Build Alternative 1 with the Sub-Alternative[a]

	Annual (tons per year)[c]
Selected Construction Year[b]	ROG
2036	3
2037	2
2038	5
2039	3
de minimis Level[d]	100

Source: Appendix A

Note: As discussed in Section 3.3.1.1, *Construction*, mobile-source emissions of ROG have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Values are rounded to the nearest whole number. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

b. The intensity of construction for NEPA Build Alternative 1 with or without the with the Sub-Alternative would be the same, except for architectural coatings during Phase 4. Emissions of all pollutants except ROG during Phase 4 (2036–2039) would be the same as presented in Tables 3-21 for NEPA Build Alternative 1.

c. Presents the total emissions estimate during each year of construction.

d. The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

ROG = reactive organic gases

Table 3-46 indicates that annual unmitigated construction emissions would not exceed the federal *de minimis* levels. Mitigation Measures AQ-1 through AQ-4, HAZ-1, and GHG-1, which are required to address construction impacts under CEQA (see Impact AIR-2a), would further reduce emissions. Because emissions do not exceed *de minimis* levels, a general conformity determination for construction is not required.

Full Operations

Table 3-47 summarizes total annual unmitigated operational emissions for NEPA Build Alternative 1 with the Sub-Alternative under full-build conditions. The net increase in operational emissions from the Sub-Alternative under NEPA is determined by subtracting emissions generated by the NEPA No-Action Alternative and comparing the net change to the federal *de minimis* levels. Refer to Tables 3-13 and 3-43 for emissions estimates by source category for the NEPA No-Action Alternative and the Sub-Alternative, respectively.

Table 3-47. Estimated Total Annual Unmitigated Criteria Pollutant Emissions from Operation of NEPA Build Alternative 1 with the Sub-Alternative[a]

	Annual (tons per year)			
Alternative	ROG	NO_X	$PM_{2.5}$ (total)[b]	SO_2
NEPA Build Alternative 1 with the Sub-Alternative[c]	21.7	7.1	8.2	0.2
NEPA No-Action Alternative[d]	1.4	0.6	0.3	< 0.1
Net Change[e]	20.3	6.5	7.9	0.2
de minimis Level[f]	100	100	100	100

Source: Appendix A

Note: As discussed in Section 3.3.1.2, *Operation*, mobile-source emissions have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has not developed adjustment factors for SO_2 for EMFAC2021, and emissions of this pollutant may be greater than presented in this table. Application of the adjustment factors across all operational analyses for the project resulted in a less than 1 percent to 22 percent increase in mobile-source emissions, depending on the analysis year and pollutant (i.e., ROG, NO_X, or PM). It is reasonable to conclude removal of the regulations may affect estimated SO_2 emissions by the same magnitude. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

b. Total $PM_{2.5}$ emissions consist of exhaust and fugitive dust emissions.

c. Refer to Table 3-43 for emissions by source.

d. Refer to Table 3-13 for emissions by source.

e. Total project (2040) emissions minus NEPA No-Action Alternative (2040) emissions.

f. The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; ROG = reactive organic gases; SO_2 = sulfur dioxide; — = no threshold

Table 3-47 indicates that net annual unmitigated operational emissions would not exceed the federal *de minimis* levels. Mitigation Measures AQ-5, AQ-6, and TRAN-1, which are required to address operational impacts under CEQA (see Impact AIR-2a), would further reduce emissions. Because emissions do not exceed *de minimis* levels, a general conformity determination for operations is not required.

Concurrent Construction and Partial Operations

Table 3-48 summarizes annual unmitigated ROG emissions from concurrent construction and net partial operation of the Sub-Alternative during Phase 4. Emissions of all other pollutants during all other construction years would be the same as presented in Table 3-23 for NEPA Build Alternative 1. Emissions generated by existing land uses under analysis year conditions (i.e., emissions from the NEPA No-Action Alternative during each of the future years) are subtracted from

the operational results. Total net emissions are compared to the federal *de minimis* levels to determine significance under NEPA.

Table 3-48. Estimated Annual Unmitigated ROG Emissions from Concurrent Construction and Net Partial Operation of NEPA Build Alternative 1 with the Sub-Alternative[a]

	Annual (tons per year)
Selected Construction Year[b]	ROG
2036	15
2037	18
2038	20
2039	19
de minimis Level[c]	100

Source: Appendix A

Note: As discussed in Section 3.3.1.1, *Construction*, and Section 3.1.1.2, *Operation*, mobile-source emissions of ROG have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Values are rounded to the nearest whole number. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

b. The intensity of construction for NEPA Build Alternative 1 with or without the Sub-Alternative would be the same, except for architectural coatings during Phase 4. Emissions of all pollutants except ROG during Phase 4 (2036–2039) would be the same as presented in Tables 3-23 for NEPA Build Alternative 1. For Phase 4 (2036–2039), results reflect construction emissions (Table 3-46) plus operational emissions from buildings constructed during Phases 1 through 3. Operational emissions were quantified under 2037 opening conditions and held constant in future years. Emissions from existing land uses under 2037 conditions are subtracted from the operational results.

c. The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

ROG = reactive organic gases

Table 3-48 indicates that annual unmitigated concurrent construction and net partial operational emissions would not exceed the federal *de minimis* levels. Mitigation Measures AQ-1 through AQ-7, HAZ-1, GHG-1, and TRAN-1, which are required to address operational impacts under CEQA (see Impact AIR-2a), would further reduce emissions. Because emissions do not exceed *de minimis* levels, a general conformity determination for concurrent construction and net partial operations is not required.

Impact AIR-3. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people

Overall, there would be no difference in the impact mechanism or conclusion between the CEQA Proposed Project and the CEQA Proposed Project with the Variant. The potential for odor exposure may be reduced under the Variant because there would be no on-site residential receptors.

Cumulative Impacts

The cumulative condition is the same as described in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*, for the CEQA Proposed Project, and the cumulative impact findings for the Variant/Sub-Alternative would be the same as for the CEQA Proposed Project. Specifically:

- The CEQA Proposed Project with the Variant/Sub-Alternative could impede protection of regional air quality under State standards and elimination of health disparities, even after

implementation of mitigation. Thus, the Variant would result in a cumulatively considerable impact with respect to air quality plan compliance under CEQA (air quality and health risks) and NEPA (health risks).

- Because impacts from criteria pollutants are cumulative in nature, the project-level and cumulative impact thresholds for the analysis of regional air quality impacts are the same. Thus, the analysis and conclusions presented above in Impacts AIR-2a and AIR-2b under *Project-Level Impacts* characterize the cumulative regional air quality impacts of the Variant/Sub-Alternative under CEQA and NEPA, respectively.
- The CEQA Proposed Project with the Variant/Sub-Alternative, together with past, present, and probable future projects, would not result in significant cumulative odor emissions.

3.3.3.6 CEQA Reduced Density Alternative (NEPA Build Alternative 2)

Project-Level Impacts

Impact AIR-1. Conflict with or Obstruct Implementation of the Applicable Air Quality Plan

Overall, there would be no difference in the impact mechanism or conclusion between the CEQA Proposed Project and the CEQA Reduced Density Alternative. The same sustainability strategies described above for the CEQA Proposed Project would be implemented under the CEQA Reduced Density Alternative. Like the CEQA Proposed Project, the CEQA Reduced Density Alternative would result in ROG and PM_{10} emissions (see Impact AIR-2a) as well as cancer risks and $PM_{2.5}$ concentrations above the Air District's thresholds (see Chapter 4). In addition, as discussed under Impact GHG-1 (see Chapter 5), the CEQA Reduced Density Alternative will result in a cumulatively considerable contribution to global climate change from mobile sources. The CEQA analysis therefore finds that the project could impede protection of regional air quality and climate and elimination of health disparities under State standards, and it would obstruct implementation of the 2017 Clean Air Plan under CEQA, even with implementation of Mitigation Measures AQ-1 through AQ-7, GHG-1, HAZ-1, HRA-1, HRA-2, and TRAN-1. The NEPA analysis finds that the project would conflict with the 2017 Clean Air Plan with respect to climate protection and community health goals.

Mitigation Measure AQ-1. Electric Equipment and Emissions Controls for Off-Road Diesel Engines during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-2. Zero-Emission On-Road Vehicles during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-3. Fugitive Dust Control

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-4. Low-VOC Coatings during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-5. Low-VOC Non-Residential Coatings and Cleaning Supplies during Operations

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-6. Electric Landscaping Equipment during Operations

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-7. Offset Combined Construction and Net Partial Operational ROG and PM_{10} Emissions

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure HRA-1. Enhanced Dust Control

Refer to measure description in Section 4.3.7.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure HRA-2. Promote Safe Work Practices to Limit Emissions Exposure During Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure HAZ-1. Implement the Environmental Issues Management Plan

See discussion for the CEQA Proposed Project under Impact CEQA-HAZ-1 in Section 3.9, Haz*ards and Hazardous Materials*, of this joint EIR/EIS.

Mitigation Measure GHG-1. Best Management Practices for Construction-Related GHG Emissions

Refer to measure description in Section 5.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure TRAN-1. Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Impact AIR-2a. Result in a Cumulatively Considerable Net Increase in Any Criteria Pollutant for which the Project Region is in Nonattainment under an Applicable Federal or State Ambient Air Quality Standard (CEQA Impact Only)

Santa Clara County does not currently attain the NAAQS or CAAQS for ozone and $PM_{2.5}$, or the CAAQS for PM_{10}. The impact analysis focuses on these pollutants or their precursors during construction

and operation of the CEQA Reduced Density Alternative. It evaluates regional air quality impacts under CEQA using the Air District's thresholds shown in Table 3-11 in Section 3.3.2.2, *Result in a Cumulatively Considerable Net Increase in Criteria Pollutants (CEQA only)*. Refer to Impact AIR-2b for the NEPA effects analysis of regional criteria pollutant emissions.

Construction

The same construction activities proposed and evaluated under the CEQA Proposed Project would occur under the CEQA Reduced Density Alternative. The intensity of construction for the CEQA Proposed Project and the CEQA Reduced Density Alternative would be the same except for a slight reduction in the duration of the "core and shell" and "architectural coating" sub-phases for research buildings under the CEQA Reduced Density Alternative. The interior coated area of research buildings under the CEQA Reduced Density Alternative would likewise be slightly reduced from the CEQA Proposed Project.

Table 3-49 summarizes estimated unmitigated construction emissions for the CEQA Reduced Density Alternative. Table 3-50 summarizes estimated emissions with implementation of Mitigation Measures AQ-1 and AQ-4, which are discussed further in Section 3.3.3.2. Mitigation Measures AQ-2 and HAZ-1 are not quantified; Mitigation Measure GHG-1 is partially quantified (off-road engine controls) for the reasons discussed in Section 3.3.3.2. Mitigation Measures AQ-3 and HAZ-1 would control fugitive dust; it would not directly reduce ROG, NO_X, or PM exhaust. Emissions are compared to the Air District's project-level thresholds to determine significance under CEQA.

Table 3-49. Estimated Average Daily Unmitigated Criteria Pollutant Emissions from Construction of the CEQA Reduced Density Alternative[a]

Year	Average Daily (pounds per day)[b]			
	ROG	NO_X	PM_{10} (exhaust)	$PM_{2.5}$ (exhaust)
2026	7	**73**	3	3
2027	10	**89**	3	3
2028	9	**84**	2	2
2029	10	**72**	2	2
2030	19	44	1	1
2031	15	**139**	4	3
2032	20	**180**	4	4
2033	29	**91**	2	2
2034	8	**85**	2	2
2035	25	**86**	2	2
2036	13	38	1	1
2037	10	**102**	2	2
2038	27	**106**	2	2
2039	17	42	< 1	< 1
Air District Threshold[c]	54	54	82	54

Source: Appendix A

Note: As discussed in Section 3.3.1.1, *Construction*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

[a.] Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

[b.] Presents the average emissions estimate during a single day of construction in each year.

[c.] In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA. The Air District also considers fugitive dust emissions significant without application of BMPs.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-50. Estimated Average Daily Mitigated Criteria Pollutant Emissions from Construction of the CEQA Reduced Density Alternative[a]

	Average Daily (pounds per day)[b]			
Year	ROG	NO_X	PM_{10} (exhaust)	$PM_{2.5}$ (exhaust)
2026	1	25	< 1	< 1
2027	3	20	1	1
2028	2	11	< 1	< 1
2029	3	9	< 1	< 1
2030	8	12	< 1	< 1
2031	4	29	1	1
2032	5	21	1	1
2033	11	15	< 1	< 1
2034	2	21	1	< 1
2035	10	15	< 1	< 1
2036	5	11	< 1	< 1
2037	3	26	1	1
2038	10	17	< 1	< 1
2039	7	4	< 1	< 1
Air District Threshold[c]	54	54	82	54

Source: Appendix A

Note: As discussed in Section 3.3.1.1, *Construction*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

[a.] Emissions results include Mitigation Measures AQ-1 and AQ-4. Mitigation Measures AQ-2 and HAZ-1 are not quantified; Mitigation Measure GHG-1 is partially quantified (off-road engine controls). Mitigation Measures AQ-3 and HAZ-1 would not reduce ROG, NO_X, or PM exhaust emissions. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

[b.] Presents the average emissions estimate during a single day of construction in each year.

[c.] In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA. The Air District also considers fugitive dust emissions significant without application of BMPs.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Like the CEQA Proposed Project, Table 3-49 indicates that construction of the CEQA Reduced Density Alternative would exceed the Air District's average daily NO_X threshold in all years except 2030, 2036, and 2039. These are transition years where construction activity from one major phase winds down and the activity for another phase begins to ramp up. Implementation of Mitigation Measures AQ-1 and AQ-2 is required to reduce NO_X emissions from construction equipment and on-road vehicles, respectively. Mitigation Measure GHG-1 would also achieve NO_X reductions through

idling limitations, locally sourced materials, and BMPs. Mitigation Measure AQ-3 is required to comply with the Air District's basic fugitive dust control measures. undertaken pursuant to Mitigation Measure HAZ-1 to comply with the EIMP would likewise help minimize dust. Although unmitigated ROG emissions are not projected to exceed the Air District's threshold, Mitigation Measure AQ-4 is also required during construction to address overlapping construction and partial operational emissions, which are assessed further below.

Table 3-41 indicates that construction of the CEQA Reduced Density Alternative would not exceed the Air District's average daily NO_X threshold with Mitigation Measures AQ-1. Mitigation Measures AQ-2 and GHG-1 would achieve additional NO_X reductions beyond those shown in the table. Mitigation Measures AQ-3 and HAZ-1 ensure compliance with the Air District's fugitive dust control threshold. Implementation of Mitigation Measure AQ-4 would further reduce ROG emissions from architectural coatings. These impact findings are the same as the CEQA Proposed Project, although the intensity of emissions (i.e., average daily pounds) would be slightly reduced during some construction years under the CEQA Reduced Density Alternative.

The Air District's thresholds were established to prevent emission from new projects in the SFBAAB from contributing to violations of the CAAQS and NAAQS. Because mitigated construction emissions would not exceed the Air District's thresholds, the CEQA Reduced Density Alternative would not result in a cumulatively considerable increase in regional pollution in the SFBAAB.

Mitigation Measure AQ-1. Electric Equipment and Emissions Controls for Off-Road Diesel Engines during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*.

Mitigation Measure AQ-2. Zero-Emission On-Road Vehicles during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*.

Mitigation Measure AQ-3. Fugitive Dust Control

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*.

Mitigation Measure AQ-4. Low-VOC Coatings during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*.

Mitigation Measure GHG-1. Best Management Practices for Construction-Related GHG Emissions

Refer to measure description in Chapter 5, *Greenhouse Gases and Climate Change*, Section 5.3.3, *Impacts*, under Impact GHG-1.

Mitigation Measure HAZ-1. Implement the Environmental Issues Management Plan

See discussion for the CEQA Proposed Project under Impact CEQA-HAZ-1 in Section 3.9, Haz*ards and Hazardous Materials*, of this joint EIR/EIS.

Full Operations

The same operational sources proposed and evaluated under the CEQA Proposed Project would occur under the CEQA Reduced Density Alternative. Table 3-51 presents estimated unmitigated operational emissions for the CEQA Reduced Density Alternative under full-build conditions. Table 3-52 presents estimated operational emissions with implementation of Mitigation Measures AQ-5, AQ-6, and TRAN-1, which are discussed further in Section 3.3.3.2. Total emissions under existing (2024) conditions are also presented; refer to Table 3-13 for additional detail. The net increase in operational emissions from the CEQA Reduced Density Alternative is determined by subtracting existing (2024) operational emissions from the project's estimated operational emissions at full buildout. The net emissions are compared to the Air District's project-level thresholds to determine significance under CEQA.

Table 3-51. Estimated Average Daily and Annual Unmitigated Criteria Pollutant Emissions from Operation of the CEQA Reduced Density Alternative[a]

	Average Daily (pounds per day)				Annual (tons per year)			
Source	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]
Project (2040)								
Mobile	28.0	23.7	81.1	20.8	5.1	4.3	14.8	3.8
Area	48.4	0.6	0.1	0.1	8.8	0.1	< 0.1	< 0.1
Fugitive	4.1	< 0.1	< 0.1	< 0.1	0.8	< 0.1	< 0.1	< 0.1
Stationary	0.8	2.7	13.8	13.8	0.1	0.5	2.5	2.5
Total	81.4	27.0	95.1	34.7	14.8	4.9	17.4	6.3
Existing (2024)[c]	1.9	0.6	0.7	0.2	0.3	0.1	0.1	< 0.1
Net Change[d]	**79.5**	26.5	**94.4**	34.5	**14.5**	4.8	**17.2**	6.3
Air District Threshold[e]	54	54	82	54	10	10	15	10

Source: Appendix A

Note: As discussed in Section 3.3.1.2, *Operation*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c. Refer to Table 3-13 for emissions by source.

d. Total project (2040) emissions minus total existing (2024) emissions.

e. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-52. Estimated Average Daily and Annual Mitigated Criteria Pollutant Emissions from Operation of the CEQA Reduced Density Alternative[a]

	Average Daily (pounds per day)				Annual (tons per year)			
Source	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]
Project (2040)								
Mobile	25.9	22.0	75.1	19.2	4.7	4.0	13.7	3.5
Area	30.9 [c]	< 0.1	< 0.1	< 0.1	5.6	< 0.1	< 0.1	< 0.1
Fugitive	4.1	< 0.1	< 0.1	< 0.1	0.8	< 0.1	< 0.1	< 0.1
Stationary	0.8	2.7	13.8	13.8	0.1	0.5	2.5	2.5
Total	61.8	24.6	88.9	33.0	11.3	4.5	16.2	6.0
Existing (2024)[d]	1.9	0.6	0.7	0.2	0.3	0.1	0.1	< 0.1
Net Change[e]	**59.9**	24.0	**88.2**	32.9	**10.9**	4.4	**16.1**	6.0
Air District Threshold[f]	54	54	82	54	10	10	15	10

Source: Appendix A

Note: As discussed in Section 3.3.1.2, *Operation*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Emissions results include implementation of Mitigation Measures AQ-5, AQ-6, and TRAN-1. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c. The mitigation analysis conservatively assumes use of only low-VOC paints (i.e., less than 50 grams per liter VOC), which is required, at a minimum, by Mitigation Measure AQ-5. The measure also requires no-VOC paints (i.e., less than 5 grams per liter of VOC) where locally (i.e., within 50 miles of the Project Site) and commercially available for the coating type. Where no-VOC paints are used, emissions would be less than presented above.

d. Refer to Table 3-13 for emissions by source.

e. Total project (2040) emissions minus total existing (2024) emissions.

f. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-51 indicates that future net operational emissions for the CEQA Reduced Density Alternative under full-build conditions would exceed the Air District's daily and annual thresholds for ROG and PM_{10}. This impact finding is the same as the CEQA Proposed Project, although compared to the CEQA Proposed Project, the CEQA Reduced Density Alternative would result in slightly lower net emissions due to reduced VMT and trip generation (mobile sources), consumer products (area sources), and lab space (fugitive sources).

Implementation of Mitigation Measures AQ-5, AQ-6, and TRAN-1 is required to reduce operational emissions. Table 3-52 indicates that ROG and PM_{10} emissions would still exceed the Air District's thresholds with implementation of project design features and mitigation. The project design features and Mitigation Measures AQ-5, AQ-6, and TRAN-1 collectively represent best-available control strategies to reduce operational emissions resulting from buildout of a large-scale development project. There is no feasible mitigation beyond these measures and the project design features to reduce operational ROG and PM_{10} emissions below the Air District's thresholds.

Concurrent Construction and Partial Operations

Occupancy of buildings constructed during Phase 1 could begin as early as 2031. Accordingly, concurrent construction and partial operational activities would occur from 2031 through 2039, resulting in higher average daily and annual emissions than either component when analyzed separately. Tables 3-53 and 3-54 present concurrent unmitigated and mitigated, respectively, construction and net partial operational emissions for the CEQA Reduced Density Alternative. Table 3-54 accounts for anticipated emissions benefits from Mitigation Measures AQ-1, AQ-3 through AQ-6, and TRAN-1 (Mitigation Measures AQ-2, HAZ-1, and GHG-1 are not quantified or fully quantified for the reasons discussed in Section 3.3.3.2). Emissions from existing land uses (Table 3-13) are subtracted from the operational results. Total net emissions during each analysis year are compared to the Air District's project-level thresholds to determine significance under CEQA.

Table 3-53. Estimated Average Daily and Annual Unmitigated Criteria Pollutant Emissions from Concurrent Construction and Partial Operation of the CEQA Reduced Density Alternative[a]

Year	Average Daily (pounds per day)				Annual (tons per year)			
	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]
2031[c]	34	**146**	39	14	6	**27**	7	3
2032[c]	39	**187**	38	14	7	**34**	7	3
2033[c]	48	**98**	34	11	9	**18**	6	2
2034[d]	**54**	**101**	75	26	10	**18**	14	5
2035[d]	**70**	**102**	70	25	**13**	**19**	13	5
2036[d]	**59**	54[f]	65	23	**11**	10[f]	12	4
2037[e]	**71**	**122**	**93**	33	**13**	**22**	**17**	6
2038[e]	**88**	**126**	**88**	31	**16**	**23**	**16**	6
2039[e]	**77**	**59**	78	28	**14**	**11**	14	5
Air District Threshold[g]	54	54	82	54	10	10	15	10

Source: Appendix A

Note: As discussed in Section 3.3.1.1, *Construction*, and Section 3.3.1.2, *Operation,* mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c. Unmitigated construction emissions (Table 3-49) plus unmitigated operational emissions from buildings constructed during Phase 1. Operational emissions were quantified under 2031 opening conditions and held constant in 2032 and 2033. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

d. Mitigated construction emissions (Table 3-49) plus mitigated operational emissions from buildings constructed during Phases 1 and 2. Operational emissions were quantified under 2034 opening conditions and held constant in 2035 and 2036. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

e. Mitigated construction emissions (Table 3-49) plus mitigated operational emissions from buildings constructed during Phases 1 through 3. Operational emissions were quantified under 2037 opening conditions and held constant in 2038 and 2039. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

f. Unrounded values are below thresholds (53.9 pounds per day and 9.8 tons per year).

g. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-54. Estimated Average Daily and Annual Mitigated Criteria Pollutant Emissions from Concurrent Construction and Net Partial Operation of the CEQA Reduced Density Alternative[a]

	Average Daily (pounds per day)				Annual (tons per year)			
Year	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]
2031[c]	19	36	34	11	3	7	6	2
2032[c]	19	28	33	11	4	5	6	2
2033[c]	26	21	30	10	5	4	6	2
2034[d]	38	36	68	24	7	7	12	4
2035[d]	46	30	64	23	8	5	12	4
2036[d]	41	25	60	21	8	5	11	4
2037[e]	49	44	**86**	30	9	8	**16**	5
2038[e]	**56**	35	82[f]	29	**10**	6	15[f]	5
2039[e]	52	22	73	27	10 [f]	4	13	5
Air District Threshold[g]	54	54	82	54	10	10	15	10

Source: Appendix A

Note: As discussed in Section 3.3.1.1, *Construction*, and Section 3.3.1.2, *Operation,* mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Construction emissions include Mitigation Measures AQ-1, AQ-3, and AQ-4 (Mitigation Measures AQ-2 and HAZ-1 are not quantified; Mitigation Measure GHG-1 is partially quantified [off-road engine controls]). Operational emissions include Mitigation Measures AQ-5, AQ-6, and TRAN-1. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c. Mitigated construction emissions (Table 3-50) plus mitigated operational emissions from buildings constructed during Phase 1. Operational emissions were quantified under 2031 opening conditions and held constant in 2032 and 2033. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

d. Unmitigated Construction emissions (Table 3-50) plus unmitigated operational emissions from buildings constructed during Phases 1 and 2. Operational emissions were quantified under 2034 opening conditions and held constant in 2035 and 2036. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

e. Unmitigated Construction emissions (Table 3-50) plus unmitigated operational emissions from buildings constructed during Phases 1 through 3. Operational emissions were quantified under 2037 opening conditions and held constant in 2038 and 2039. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

f. Unrounded values are below threshold (81.9 pounds per day and 14.9 tons per year for PM_{10} in 2038 and 9.5 tons per year of ROG in 2039).

g. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-53 indicates that combined construction and net partial operational emissions under the CEQA Reduced Density Alternative would exceed the following Air District thresholds:

- Average daily and annual ROG: 2034 to 2039 (unmitigated scenario); 2038 mitigated scenario
- Average daily and annual NO_X: 2031 to 2035 and 2037 through 2039 (unmitigated scenario)
- Average daily and annual PM_{10}: 2037 and 2038 (unmitigated scenario); 2037 mitigated scenario

These impact findings are the same as the CEQA Proposed Project, although the intensity of emissions (i.e., average daily pounds and annual tons) would be reduced during some construction years under the CEQA Reduced Density Alternative. Mitigation Measure AQ-7 is required to offset ROG emissions in 2038 and PM_{10} emissions in 2037 to levels below Air District thresholds. As such, neither ROG nor PM_{10} emissions would contribute a cumulatively considerable significant level of air pollution such that regional air quality within the SFBAAB would be degraded. But for the reasons described above, ROG and PM_{10} emissions during project operations after the 6 years of overlapping construction and operations would not be mitigated to a level of less than significant or less than cumulatively considerable.

Mitigation Measure AQ-1. Electric Equipment and Emissions Controls for Off-Road Diesel Engines during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*.

Mitigation Measure AQ-2. Zero-Emission On-Road Vehicles during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*.

Mitigation Measure AQ-3. Fugitive Dust Control

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*.

Mitigation Measure AQ-4. Low-VOC Coatings during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*.

Mitigation Measure AQ-5. Low-VOC Non-Residential Coatings and Cleaning Supplies during Operations

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*.

Mitigation Measure AQ-6. Electric Landscaping Equipment during Operations

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*.

Mitigation Measure AQ-7. Offset Combined Construction and Net Partial Operational ROG and PM_{10} Emissions

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*.

Mitigation Measure GHG-1. Best Management Practices for Construction-Related GHG Emissions

Refer to measure description in Chapter 5, *Greenhouse Gases and Climate Change*, Section 5.3.3, *Impacts*, under Impact GHG-1.

Mitigation Measure HAZ-1. Implement the Environmental Issues Management Plan

See discussion for the CEQA Proposed Project under Impact CEQA-HAZ-1 in Section 3.9, Haz*ards and Hazardous Materials*, of this joint EIR/EIS.

Mitigation Measure TRAN-1. Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Potential Health Outcomes of Cumulatively Considerable Regional Criteria Pollutant Emissions

The potential health outcomes of cumulatively considerable ROG and PM_{10} emissions generated during operation of the CEQA Reduced Density Alternative are the same as described in Section 4.3.7.2, *CEQA Proposed Project (NEPA Build Alternative 1)*, for the CEQA Proposed Project.

Impact AIR-2b. Result in a Substantial Net Increase in Any Criteria Pollutant for which the Project Region Is Nonattainment under an Applicable Federal Ambient Air Quality Standard (NEPA Impact Only)

Santa Clara County does not currently attain the NAAQS for ozone and $PM_{2.5}$. The impact analysis focuses on these pollutants or their precursors during construction and operation of NEPA Build Alternative 2. It evaluates regional air quality effects under NEPA using the federal *de minimis* levels shown in Table 3-12 in Section 3.3.2.3, *Result in a Substantial Net Increase in Criteria Pollutants (NEPA only)*. Refer to Impact AIR-2a for the CEQA impact analysis of regional criteria pollutant emissions. Impact AIR-2a also presents additional context and information on emission sources and quantification methods.

Construction

Table 3-55 summarizes estimated annual unmitigated construction emissions for NEPA Build Alternative 2. Emissions are compared to the federal *de minimis* levels to determine the significance under NEPA.

Table 3-55. Estimated Annual Unmitigated Criteria Pollutant Emissions from Construction of NEPA Build Alternative 2[a]

	Annual (tons per year)[b]			
Year	ROG	NO_X	$PM_{2.5}$ (total)[c]	SO_2
2026	1	6	< 1	< 1
2027	2	16	1	< 1
2028	2	15	1	< 1
2029	2	13	1	< 1
2030	3	8	1	< 1
2031	3	25	1	< 1
2032	4	33	1	< 1
2033	5	17	1	< 1
2034	2	15	1	< 1
2035	4	16	1	< 1
2036	2	7	< 1	< 1
2037	2	19	1	< 1
2038	5	19	1	< 1
2039	3	7	< 1	< 1
de minimis Level[d]	100	100	100	100

Source: Appendix A

Note: As discussed in Section 3.3.1.1, *Construction*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has not developed adjustment factors for SO_2 for EMFAC2021, and emissions of this pollutant may be greater than presented in this table. Application of the adjustment factors across all construction years resulted in a less than 1 percent increase in affected emissions, due largely to the fact that construction emissions are generated primarily by off-road equipment. It is reasonable to conclude removal of the regulations may affect estimated SO_2 emissions by the same magnitude. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Values are rounded to the nearest whole number. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

b. Presents the total emissions estimate during each year of construction.

c. Total $PM_{2.5}$ emissions consist of exhaust and fugitive dust emissions.

d. The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; ROG = reactive organic gases; SO_2 = sulfur dioxide

Table 3-55 indicates that annual unmitigated construction emissions would not exceed the federal *de minimis* levels. Mitigation Measures AQ-1 through AQ-4, HAZ-1, and GHG-1, which are required to address construction impacts under CEQA (see Impact AIR-2a), would further reduce emissions. Because emissions do not exceed *de minimis* levels, a general conformity determination for construction is not required.

Full Operations

Table 3-56 summarizes total annual unmitigated operational emissions for NEPA Build Alternative 2 under full-build conditions. The net increase in operational emissions under NEPA Build Alternative 2 is determined by subtracting emissions generated by the NEPA No-Action Alternative

and comparing the net change to the federal *de minimis* levels. Refer to Tables 3-13 and 3-51 for emissions estimates by source category for the NEPA No-Action Alternative and NEPA Build Alternative 2, respectively.

Table 3-56. Estimated Total Annual Unmitigated Criteria Pollutant Emissions from Operation of Build Alternative 2[a]

	Annual (tons per year)			
Alternative	ROG	NO_X	$PM_{2.5}$ (total)[b]	SO_2
NEPA Build Alternative 2[c]	14.8	4.9	6.3	0.1
NEPA No-Action Alternative[d]	1.4	0.6	0.3	< 0.1
Net Change[e]	13.4	4.3	6.0	0.1
de minimis Level[f]	100	100	100	100

Source: Appendix A

Note: As discussed in Section 3.3.1.2, *Operation*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has not developed adjustment factors for SO_2 for EMFAC2021, and emissions of this pollutant may be greater than presented in this table. Application of the adjustment factors across all operational analyses for the project resulted in a less than 1 percent to 22 percent increase in mobile-source emissions, depending on the analysis year and pollutant (i.e., ROG, NO_X, or PM). It is reasonable to conclude removal of the regulations may affect estimated SO_2 emissions by the same magnitude. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

b. Total $PM_{2.5}$ emissions consist of exhaust and fugitive dust emissions.

c. Refer to Table 3-51 for emissions by source.

d. Refer to Table 3-13 for emissions by source.

e. Total project (2040) emissions minus NEPA No-Action Alternative (2040) emissions.

f. The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; ROG = reactive organic gases; SO_2 = sulfur dioxide

Table 3-56 indicates that net annual unmitigated operational emissions would not exceed the federal *de minimis* levels. Mitigation Measures AQ-5, AQ-6, and TRAN-1, which are required to address operational impacts under CEQA (see Impact AIR-2a), would further reduce emissions. Because emissions do not exceed *de minimis* levels, a general conformity determination for operations is not required.

Concurrent Construction and Partial Operations

Table 3-57 summarizes annual unmitigated concurrent construction and net partial operational emissions from 2031 through 2039 under NEPA Build Alternative 2. Emissions generated by existing land uses under analysis year conditions (i.e., emissions from the NEPA No-Action Alternative during each of the future years) are subtracted from the operational results. Total net emissions are compared to the federal *de minimis* levels to determine significance under NEPA.

Table 3-57. Estimated Annual Unmitigated Criteria Pollutant Emissions from Concurrent Construction and Net Partial Operation of NEPA Build Alternative 2[a]

	Annual (tons per year)			
Year	ROG	NO_X	$PM_{2.5}$ (total)[b]	SO_2
2031[c]	5	26	2	< 1
2032[c]	6	33	2	< 1
2033[c]	8	17	2	< 1
2034[d]	9	18	4	< 1
2035[d]	12	18	4	< 1
2036[d]	10	9	4	< 1
2037[e]	12	22	6	< 1
2038[e]	15	22	5	< 1
2039[e]	13	10	5	< 1
de minimis Level[f]	100	100	100	100

Source: Appendix A

Note: As discussed in Section 3.3.1.1, *Construction*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has not developed adjustment factors for SO_2 for EMFAC2021, and emissions of this pollutant may be greater than presented in this table. Application of the adjustment factors across all construction years resulted in a less than 1 percent increase in affected construction emissions, due largely to the fact that construction emissions are generated primarily by off-road equipment. Application of the adjustment factors across all operational analyses for the project resulted in a less than 1 percent to 22 percent increase in mobile-source operational emissions, depending on the analysis year and pollutant (i.e., ROG, NO_X, or PM). It is reasonable to conclude removal of the regulations may affect estimated SO_2 emissions by the same magnitude. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Values are rounded to the nearest whole number. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c. Unmitigated construction emissions (Table 3-55) plus unmitigated operational emissions from buildings constructed during Phase 1. Operational emissions were quantified under 2031 opening conditions and held constant in 2032 and 2033. Emissions from existing land uses under 2031 conditions are subtracted from the operational results.

d. Unmitigated construction emissions (Table 3-55) plus unmitigated operational emissions from buildings constructed during Phases 1 and 2. Operational emissions were quantified under 2034 opening conditions and held constant in 2035 and 2036. Emissions from existing land uses under 2034 conditions are subtracted from the operational results.

e. Unmitigated construction emissions (Table 3-55) plus unmitigated operational emissions from buildings constructed during Phases 1 through 3. Operational emissions were quantified under 2037 opening conditions and held constant in 2038 and 2039. Emissions from existing land uses under 2037 conditions are subtracted from the operational results.

f. The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; ROG = reactive organic gases; SO_2 = sulfur dioxide

Table 3-57 indicates that annual unmitigated concurrent construction and net partial operational emissions would not exceed the federal *de minimis* levels. Mitigation Measures AQ-1 through AQ-7, HAZ-1, GHG-1, and TRAN-1, which are required to address operational impacts under CEQA (see Impact AIR-2a), would further reduce emissions. Because emissions do not exceed *de minimis* levels, a general conformity determination for concurrent construction and net partial operations is not required.

Impact AIR-3. Result in Other Emissions (Such as Those Leading to Odors) Adversely Affecting a Substantial Number of People

Overall, there would be no difference in the impact mechanism or conclusion between the CEQA Proposed Project and the CEQA Reduced Density Alternative. The potential for odor exposure may be reduced under the CEQA Reduced Density Alternative because there would be less construction.

Cumulative Impacts

The cumulative condition is the same as described in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*, for the CEQA Proposed Project, and the cumulative impact findings for the CEQA Reduced Density Alternative would be the same as for the CEQA Proposed Project. Specifically:

- The CEQA Reduced Density Alternative could impede protection of regional air quality under State standards, elimination of health disparities, and attainment of regional climate goals, even after implementation of mitigation. Thus, the project would result in a cumulatively considerable impact with respect to air quality plan compliance under CEQA (air quality, health risks, and climate) and NEPA (health risks and climate).
- Because impacts from criteria pollutants are cumulative in nature, the project-level and cumulative impact thresholds for the analysis of regional air quality impacts are the same. Thus, the analysis and conclusions presented above in Impacts AIR-2a and AIR-2b under *Project-Level Impacts* characterize the cumulative regional air quality impacts of the CEQA Reduced Density Alternative under CEQA and NEPA, respectively.
- The CEQA Reduced Density Alternative, together with past, present, and probable future projects, would not result in significant cumulative odor emissions.

3.3.3.7 CEQA Reduced Density Alternative No Student/Faculty Housing Variant (NEPA Build Alternative 2, No Student/Faculty Housing Sub-Alternative)

Project-Level Impacts

Impact AIR-1. Conflict with or Obstruct Implementation of the Applicable Air Quality Plan

Overall, there would be no difference in the impact mechanism or conclusion between the CEQA Proposed Project and the CEQA Reduced Density Alternative compared to the CEQA Reduced Density Alternative with the Variant. The same sustainability strategies described above for the CEQA Proposed Project and the CEQA Reduced Density Alternative would be implemented under the CEQA Reduced Density Alternative with the Variant. Like the CEQA Proposed Project, the Variant would result in ROG and PM_{10} emissions (see Impact AIR-2a) as well as cancer risks and $PM_{2.5}$ concentrations above the Air District's thresholds (see Chapter 4). In addition, as discussed under Impact GHG-1 (see Chapter 5), the Variant would result in a cumulatively considerable contribution to global climate change from mobile sources. The CEQA analysis therefore finds that the Variant could impede protection of regional air quality and climate and elimination of health disparities under State standards, and it would obstruct implementation of the 2017 Clean Air Plan under CEQA, even with implementation of Mitigation Measures AQ-1 through AQ-7, GHG-1, HAZ-1, HRA-1, HRA-2, and TRAN-1. The NEPA analysis finds that the Variant would conflict with the 2017 Clean Air Plan with respect to climate and community health goals.

Mitigation Measure AQ-1. Electric Equipment and Emissions Controls for Off-Road Diesel Engines during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-2. Zero-Emission On-Road Vehicles during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-3. Fugitive Dust Control

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-4. Low-VOC Coatings during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-5. Low-VOC Non-Residential Coatings and Cleaning Supplies during Operations

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-6. Electric Landscaping Equipment during Operations

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-7. Offset Combined Construction and Net Partial Operational ROG and PM_{10} Emissions

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure HRA-1. Enhanced Dust Control

Refer to measure description in Section 4.3.7.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure HRA-2. Promote Safe Work Practices to Limit Emissions Exposure During Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure HAZ-1. Implement the Environmental Issues Management Plan

See discussion for the CEQA Proposed Project under Impact CEQA-HAZ-1 in Section 3.9, Haz*ards and Hazardous Materials*, of this joint EIR/EIS.

Mitigation Measure GHG-1. Best Management Practices for Construction-Related GHG Emissions

Refer to measure description in Section 5.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure TRAN-1. Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Impact AIR-2a. Result in a Cumulatively Considerable Net Increase in Any Criteria Pollutant for which the Project Region is in Nonattainment under an Applicable Federal or State Ambient Air Quality Standard (CEQA Impact Only)

Santa Clara County does not currently attain the NAAQS or CAAQS for ozone and $PM_{2.5}$, or the CAAQS for PM_{10}. The impact analysis focuses on these pollutants or their precursors during construction and operation of the CEQA Reduced Density Alternative with the Variant. It evaluates regional air quality impacts under CEQA using the Air District's thresholds shown in Table 3-11 in Section 3.3.2.2, *Result in a Cumulatively Considerable Net Increase in Criteria Pollutants (CEQA only)*. Refer to Impact AIR-2b for the NEPA effects analysis of regional criteria pollutant emissions.

Construction

The same construction activities proposed and evaluated under the CEQA Reduced Density Alternative would occur with the Variant. The intensity of construction for the CEQA Reduced Density Alternative with or without the Variant would therefore be the same, except for architectural coatings. Because the Variant does not include residential construction during Phase 4, the total coated area from architectural coatings would be lower with the Variant.

Table 3-58 summarizes estimated ROG emissions from construction of Phase 4 with the Variant. The table presents emissions with and without Mitigation Measures AQ-1 and AQ-4, which are discussed further in Section 3.3.3.2. Mitigation Measures AQ-2 and HAZ-1 not quantified; Mitigation Measure GHG-1 is partially quantified (off-road engine controls) for the reasons discussed in Section 3.3.3.2. Mitigation Measures AQ-3 and HAZ-1 would control fugitive dust; it would not directly reduce ROG. Emissions are compared to the Air District's project-level thresholds to determine significance under CEQA. Emissions of all other pollutants during all other construction years would be the same as presented in Tables 3-49 (unmitigated) and 3-50 (mitigated) for the CEQA Reduced Density Alternative.

Table 3-58. Estimated Average Daily Unmitigated and Mitigated ROG Emissions from Construction of Phase 4 under the CEQA Reduced Density Alternative with the Variant[a]

	Average Daily (pounds per day)[c]	
Selected Construction Year[b]	Unmitigated	With Mitigation[d]
2036	13	5
2037	10	3
2038	26	10
2039	17	7
Air District Threshold[e]	54	54

Source: Appendix A

Note: As discussed in Section 3.3.1.1, *Construction*, mobile-source emissions of ROG have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

[a.] Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

[b.] The intensity of construction for the CEQA Proposed Project with or without the Variant would be the same, except for architectural coatings during Phase 4. Emissions of all pollutants except ROG during Phase 4 (2036–2039) would be the same as presented in Tables 3-49 (unmitigated) and 3-50 (mitigated) for the CEQA Reduced Density Alternative.

[c.] Presents the average emissions estimate during a single day of construction in each year.

[d.] Emissions results include implementation of Mitigation Measures AQ-1 and AQ-4. Mitigation Measures AQ-2 and HAZ-1 are not quantified; Mitigation Measure GHG-1 is partially quantified (off-road engine controls). Mitigation Measures AQ-3 and HAZ-1 would not reduce ROG emissions.

[e.] In developing the average daily thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA. The Air District also considers fugitive dust emissions significant without application of BMPs.

ROG = reactive organic gases

Table 3-58 indicates that ROG emissions generated during Phase 4 under the CEQA Reduced Density Alternative with the Variant would not exceed analysis thresholds. ROG emissions would be comparable to those generated under the CEQA Reduced Density Alternative, albeit slightly reduced in 2038 and increased (as rounded) in 2039. Emissions of all other pollutants during all construction years would be the same as the CEQA Reduced Density Alternative, and as such, the following impact findings apply to the Variant:

- No exceedances of the Air District's ROG, PM_{10} (exhaust), or $PM_{2.5}$ (exhaust) thresholds.
- Violation of the Air District's fugitive dust control threshold before mitigation.
- Exceedance of the Air District's NO_X threshold in all years except 2030, 2036, and 2039 before mitigation.
- No exceedance of the Air District's NO_X threshold with Mitigation Measure AQ-1. Mitigation Measures AQ-2 and GHG-1 would achieve additional NO_X reductions, beyond those shown in the table. Mitigation Measures AQ-3 and HAZ-1 ensure compliance with the Air District's fugitive dust control threshold. Implementation of Mitigation Measure AQ-4 would further reduce ROG emissions from architectural coatings.

The Air District's thresholds were established to prevent emission from new projects in the SFBAAB from contributing to violations of the CAAQS and NAAQS. Because mitigated construction emissions would not exceed the Air District's thresholds, the CEQA Reduced Density Alternative with the Variant would not result in a cumulatively considerable increase in regional pollution in the SFBAAB.

Mitigation Measure AQ-1. Electric Equipment and Emissions Controls for Off-Road Diesel Engines during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-2. Zero-Emission On-Road Vehicles during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-3. Fugitive Dust Control

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-4. Low-VOC Coatings during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure GHG-1. Best Management Practices for Construction-Related GHG Emissions

Refer to measure description in Chapter 5, *Greenhouse Gases and Climate Change*, Section 5.3.3, *Impacts*, under Impact GHG-1.

Mitigation Measure HAZ-1. Implement the Environmental Issues Management Plan

See discussion for the CEQA Proposed Project under Impact CEQA-HAZ-1 in Section 3.9, Haz*ards and Hazardous Materials*, of this joint EIR/EIS.

Full Operations

The same operational sources proposed and evaluated under the CEQA Reduced Density Alternative would occur under the Variant. Table 3-59 presents estimated unmitigated operational emissions for the Variant under full-build conditions. Table 3-60 presents estimated operational emissions with implementation of Mitigation Measures AQ-5, AQ-6, and TRAN-1, which are discussed further in Section 3.3.3.2. Total emissions under existing (2024) conditions are also presented; refer to Table 3-13 for additional detail. The net increase in operational emissions from the Variant is determined by subtracting existing (2024) operational emissions from the project's estimated operational emissions at full buildout. The net emissions are compared to the Air District's project-level thresholds to determine significance under CEQA.

Table 3-59. Estimated Average Daily and Annual Unmitigated Criteria Pollutant Emissions from Operation of the CEQA Reduced Density Alternative with the Variant[a]

	Average Daily (pounds per day)				Annual (tons per year)			
Source	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]
Project (2040)								
Mobile	28.8	24.5	83.6	21.4	5.3	4.5	15.3	3.9
Area	48.2	0.6	0.1	0.1	8.8	0.1	< 0.1	< 0.1
Fugitive	4.6	< 0.1	< 0.1	< 0.1	0.8	< 0.1	< 0.1	< 0.1
Stationary	0.9	2.9	13.8	13.8	0.2	0.5	2.5	2.5
Total	82.5	28.0	97.6	35.3	15.1	5.1	17.8	6.4
Existing (2024)[c]	1.9	0.6	0.7	0.2	0.3	0.1	0.1	< 0.1
Net Change[d]	**80.6**	27.4	**96.9**	35.1	**14.7**	5.0	**17.7**	6.4
Air District Threshold[e]	54	54	82	54	10	10	15	10

Source: Appendix A

Note: As discussed in Section 3.3.1.2, *Operations*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c. Refer to Table 3-13 for emissions by source.

d. Total project (2040) emissions minus total existing (2024) emissions.

e. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-60. Estimated Average Daily and Annual Mitigated Criteria Pollutant Emissions from Operation of the CEQA Reduced Density Alternative with the Variant[a]

	Average Daily (pounds per day)				Annual (tons per year)			
Source	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]
Project (2040)								
Mobile	26.7	22.6	77.4	19.8	4.9	4.1	14.1	3.6
Area	30.5 [c]	< 0.1	< 0.1	< 0.1	5.6	< 0.1	< 0.1	< 0.1
Fugitive	4.6	< 0.1	< 0.1	< 0.1	0.8	< 0.1	< 0.1	< 0.1
Stationary	0.9	2.9	13.8	13.8	0.2	0.5	2.5	2.5
Total	62.7	25.5	91.2	33.6	11.4	4.7	16.6	6.1
Existing (2024)[d]	1.9	0.6	0.7	0.2	0.3	0.1	0.1	< 0.1
Net Change[e]	**60.8**	24.9	**90.5**	33.4	**11.1**	4.6	**16.5**	6.1
Air District Threshold[f]	54	54	82	54	10	10	15	10

Source: Appendix A

Note: As discussed in Section 3.3.1.2, *Operation*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Emissions results include implementation of Mitigation Measures AQ-5, AQ-6, and TRAN-1. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c The mitigation analysis conservatively assumes use of only low-VOC paints (i.e., less than 50 grams per liter VOC), which is required, at a minimum, by Mitigation Measure AQ-5. The measure also requires no-VOC paints (i.e., less than 5 grams per liter of VOC) where locally (i.e., within 50 miles of the Project Site) and commercially available for the coating type. Where no-VOC paints are used, emissions would be less than presented above.

d. Refer to Table 3-13 for emissions by source.

e. Total project (2040) emissions minus total existing (2024) emissions.

f. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-59 indicates that future net operational emissions for the Variant under full-build conditions would exceed the Air District's daily and annual thresholds for ROG and PM_{10}. This impact finding is the same as the CEQA Reduced Density Alternative, although compared to the CEQA Reduced Density Alternative, the Variant would result in greater net emissions due primarily to increased VMT and trip generation.

Implementation of Mitigation Measures AQ-5, AQ-6, and TRAN-1 is required to reduce operational emissions. Table 3-60 indicates that ROG and PM_{10} emissions would still exceed the Air District's thresholds with implementation of project design features and mitigation. The project design features and Mitigation Measures AQ-5, AQ-6, and TRAN-1 collectively represent best-available control strategies to reduce operational emissions resulting from buildout of a large-scale development project. There is no feasible mitigation beyond these measures and the project design features to reduce operational ROG and PM_{10} emissions below the Air District's thresholds.

Mitigation Measure AQ-5. Low-VOC Non-Residential Coatings and Cleaning Supplies during Operations

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-6. Electric Landscaping Equipment during Operations

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure TRAN-1. Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Concurrent Construction and Partial Operations

The intensity of concurrent construction and net partial operational emissions for the CEQA Reduced Density Alternative with or without the Variant would be the same, except for ROG emissions during Phase 4. Table 3-61 summarizes estimated ROG emissions from concurrent construction and net partial operational emissions during Phase 4 under the Variant. Emissions of all other pollutants during all other construction years would be the same as presented in Tables 3-53 (unmitigated) and 3-54 (mitigated) for the CEQA Reduced Density Alternative. The table presents ROG emissions with and without Mitigation Measures AQ-1, AQ-4 through AQ-6, and TRAN-1 (Mitigation Measures AQ-2, HAZ-1, and GHG-1 are not quantified or fully quantified for the reasons discussed in Section 3.3.3.2; Mitigation Measures AQ-3 and HAZ-1 would not reduce ROG emissions). Emissions from existing land uses (Table 3-13) are subtracted from the operational results. Total net emissions during each analysis year are compared to the Air District's project-level thresholds to determine significance under CEQA.

Table 3-61. Estimated Average Daily and Annual Unmitigated and Mitigated ROG Emissions from Concurrent Construction and Partial Operation of the CEQA Reduced Density Alternative with the Variant[a]

Selected Construction Year[b]	Average Daily (pounds per day)[c]		Annual (tons per year)[d]	
	Unmitigated	With Mitigation[e]	Unmitigated	With Mitigation[e]
2036	**59**	41	**11**	8

Selected Construction Year[b]	Average Daily (pounds per day)[c]		Annual (tons per year)[d]	
	Unmitigated	With Mitigation[e]	Unmitigated	With Mitigation[e]
2037	**71**	49	**13**	9
2038	**87**	**56**	**16**	**10**
2039	**77**	52	**14**	10[f]
Air District Threshold[g]	54	54	10	10

Source: Appendix A

Note: As discussed in Section 3.3.1.1, *Construction*, and Section 3.3.1.2, *Operation*, mobile-source emissions of ROG have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. The intensity of construction for the CEQA Reduced Density Alternative with or without the Variant would be the same, except for architectural coatings during Phase 4. Emissions of all pollutants except ROG during Phase 4 (2036–2039) would be the same as presented in Tables 3-53 (unmitigated) and 3-54 (mitigated) for the CEQA Reduced Density Alternative. For Phase 4 (2036–2039), results reflect construction emissions (Table 3-46) plus operational emissions from buildings constructed during Phases 1 through 3. Operational emissions were quantified under 2037 opening conditions and held constant in future years. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

c. Presents the average emissions estimate during a single day of construction in each year.

d. Presents the total emissions estimate during each year of construction.

e. Emissions results include implementation of Mitigation Measures AQ-1, AQ-4 through AQ-6, and TRAN-1. Mitigation Measures AQ-2 and HAZ-1 are not quantified; Mitigation Measure GHG-1 is partially quantified (off-road engine controls). Mitigation Measures AQ-3 and HAZ-1 would not reduce ROG emissions.

f. Unrounded value is below threshold (9.6 tons per year).

g. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

ROG = reactive organic gases

The intensity of combined ROG emissions during Phase 4 would be comparable to those generated under the CEQA Reduced Density Alternative. The impact conclusions for all analysis years and pollutants would be the same as the CEQA Reduced Density Alternative, and combined construction and net partial operational emissions of the Variant would exceed the Air District's ROG, NO_X, and PM_{10} thresholds. Project design features and Mitigation Measures AQ-1 through AQ-6, HAZ-1, GHG-1, and TRAN-1 would reduce NO_X emissions to below Air District thresholds, but ROG and PM_{10} emissions would remain elevated. Mitigation Measure AQ-7 is required to offset ROG emissions in 2038 and PM_{10} emissions in 2037 to levels below Air District thresholds. As such, neither ROG nor PM_{10} emissions would contribute a cumulatively considerable significant level of air pollution such that regional air quality within the SFBAAB would be degraded. However, for the reasons described above, ROG and PM_{10} emissions during project operations after the 6 years of overlapping construction and operations would not be mitigated to a level of less than significant or less than cumulatively considerable.

Mitigation Measure AQ-1. Electric Equipment and Emissions Controls for Off-Road Diesel Engines during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-2. Zero-Emission On-Road Vehicles during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-3. Fugitive Dust Control

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-4. Low-VOC Coatings during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-5. Low-VOC Non-Residential Coatings and Cleaning Supplies during Operations

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-6. Electric Landscaping Equipment during Operations

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-7. Offset Combined Construction and Net Partial Operational ROG and PM_{10} Emissions

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure GHG-1. Best Management Practices for Construction-Related GHG Emissions

Refer to measure description in Chapter 5, *Greenhouse Gases and Climate Change*, Section 5.3.3, *Impacts*, under Impact GHG-1.

Mitigation Measure HAZ-1. Implement the Environmental Issues Management Plan

See discussion for the CEQA Proposed Project under Impact CEQA-HAZ-1 in Section 3.9, Haz*ards and Hazardous Materials*, of this joint EIR/EIS.

Mitigation Measure TRAN-1. Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Potential Health Outcomes of Cumulatively Considerable Regional Criteria Pollutant Emissions

The potential health outcomes of cumulatively considerable ROG and PM_{10} emissions generated during operation of the Variant are the same as described in Section 4.3.7.2, *CEQA Proposed Project (NEPA Build Alternative 1)*, for the CEQA Proposed Project.

Impact AIR-2b. Result in a Substantial Net Increase in Any Criteria Pollutant for which the Project Region Is Nonattainment under an Applicable Federal Ambient Air Quality Standard (NEPA Impact Only)

Santa Clara County does not currently attain the NAAQS for ozone and $PM_{2.5}$. The impact analysis focuses on these pollutants or their precursors during construction and operation of NEPA Build Alternative 2 with the Sub-Alternative. It evaluates regional air quality effects under NEPA using the federal *de minimis* levels shown in Table 3-12 in Section 3.3.2.3, *Result in a Substantial Net Increase in Criteria Pollutants (NEPA only)*. Refer to Impact AIR-2a for the CEQA impact analysis of regional criteria pollutant emissions. Impact AIR-2a also presents additional context and information on emission sources and quantification methods.

Construction

Table 3-62 summarizes estimated total annual unmitigated ROG emissions from construction of Phase 4 under the Sub-Alternative. Emissions are compared to the federal *de minimis* levels to determine the significance under NEPA. Emissions of all other pollutants during all other construction years would be the same as presented in Table 3-55 for NEPA Build Alternative 2.

Table 3-62. Estimated Annual Unmitigated ROG Emissions from Construction of NEPA Build Alternative 2 with the Sub-Alternative[a]

	Annual (tons per year)[c]
Selected Construction Year[b]	ROG
2036	2
2037	2
2038	5
2039	3
de minimis Level[d]	100

Source: Appendix A

Note: As discussed in Section 3.3.1.1, *Construction*, mobile-source emissions of ROG have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Values are rounded to the nearest whole number. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

b. The intensity of construction for NEPA Build Alternative 2 with or without the with Sub-Alternative would be the same, except for architectural coatings during Phase 4. Emissions of all pollutants except ROG during Phase 4 (2036–2039) would be the same as presented in Tables 3-55 for NEPA Build Alternative 2.

c. Presents the total emissions estimate during each year of construction.

d. The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

ROG = reactive organic gases

Table 3-62 indicates that annual unmitigated construction emissions would not exceed the federal *de minimis* levels. Mitigation Measures AQ-1 through AQ-4, HAZ-1, and GHG-1, which are required to address construction impacts under CEQA (see Impact AIR-2a), would further reduce emissions. Because emissions do not exceed *de minimis* levels, a general conformity determination for construction is not required.

Full Operations

Table 3-63 summarizes total annual unmitigated operational emissions for NEPA Build Alternative 2 with the Sub-Alternative under full-build conditions. The net increase in operational emissions of the Sub-Alternative under NEPA is determined by subtracting emissions generated by the NEPA No-Action Alternative and comparing the net change to the federal *de minimis* levels. Refer to Tables 3-13 and 3-59 for emissions estimates by source category for the NEPA No-Action Alternative and the NEPA Build Alternative 2 with the Sub-Alternative, respectively.

Table 3-63. Estimated Total Annual Unmitigated Criteria Pollutant Emissions from Operation of NEPA Build Alternative 2 with the Sub-Alternative

	Annual (tons per year)			
Alternative	ROG	NO_X	$PM_{2.5}$ (total)[b]	SO_2
NEPA Build Alternative 2 with the Sub-Alternative[c]	15.1	5.1	6.4	0.1
NEPA No-Action Alternative[d]	1.4	0.6	0.3	<0.1
Net Change[e]	13.6	4.5	6.1	0.1
de minimis Level[f]	100	100	100	100

Source: Appendix A

Note: As discussed in Section 3.3.1.2, *Operation*, mobile-source emissions of ROG, NO_X, and PM have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has not developed adjustment factors for SO_2 for EMFAC2021, and emissions of this pollutant may be greater than presented in this table. Application of the adjustment factors across all operational analyses for the project resulted in a less than 1 percent to 22 percent increase in mobile-source emissions, depending on the analysis year and pollutant (i.e., ROG, NO_X, or PM). It is reasonable to conclude removal of the regulations may affect estimated SO_2 emissions by the same magnitude. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

b. Total $PM_{2.5}$ emissions consist of exhaust and fugitive dust emissions.

c. Refer to Table 3-59 for emissions by source.

d. Refer to Table 3-13 for emissions by source.

e. Total project (2040) emissions minus NEPA No-Action Alternative (2040) emissions.

f. The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; ROG = reactive organic gases; SO_2 = sulfur dioxide

Table 3-63 indicates that annual unmitigated operational emissions would not exceed the federal *de minimis* levels. Mitigation Measures AQ-5, AQ-6, and TRAN-1, which are required to address operational impacts under CEQA (see Impact AIR-2a), would further reduce emissions. Because emissions do not exceed *de minimis* levels, a general conformity determination for operations is not required.

Concurrent Construction and Partial Operations

Table 3-64 summarizes annual ROG emissions from concurrent construction and net partial operation of the Sub-Alternative during Phase 4. Emissions of all other pollutants during all other construction years would be the same as presented in Table 3-48 for NEPA Build Alternative 2. Emissions generated by existing land uses under analysis year conditions (i.e., emissions from the NEPA No-Action Alternative during each of the future years) are subtracted from the operational results. Total net emissions are compared to the federal *de minimis* levels to determine significance under NEPA.

Table 3-64. Estimated Annual Unmitigated ROG Emissions from Concurrent Construction and Net Partial Operation of NEPA Build Alternative 2 with the Sub-Alternative[a]

	Annual (tons per year)
Selected Construction Year[b]	ROG
2036	10
2037	12
2038	15
2039	13
de minimis Level[c]	100

Source: Appendix A

Note: As discussed in Section 3.3.1.1, *Construction*, and Section 3.3.1.2, *Operation*, mobile-source emissions of ROG have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. For reference, Appendix B provides emission results for the table without the regulatory adjustments.

a. Values are rounded to the nearest whole number. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

b. The intensity of construction for NEPA Build Alternative 2 with or without the Sub-Alternative would be the same, except for architectural coatings during Phase 4. Emissions of all pollutants except ROG during Phase 4 (2036–2039) would be the same as presented in Tables 3-57 for NEPA Build Alternative 2. For Phase 4 (2036–2039), results reflect construction emissions (Table 3-46) plus operational emissions from buildings constructed during Phases 1 through 3. Operational emissions were quantified under 2037 opening conditions and held constant in future years. Emissions from existing land uses under 2037 conditions are subtracted from the operational results.

c. The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

ROG = reactive organic gases

Table 3-64 indicates that annual unmitigated concurrent construction and net partial operational emissions would not exceed the federal *de minimis* levels. Mitigation Measures AQ-1 through AQ-7, HAZ-1, GHG-1, and TRAN-1, which are required to address operational impacts under CEQA (see Impact AIR-2a), would further reduce emissions. Because emissions do not exceed *de minimis* levels, a general conformity determination for concurrent construction and net partial operations is not required.

Impact AIR-3. Result in Other Emissions (Such as Those Leading to Odors) Adversely Affecting a Substantial Number of People

Overall, there would be no difference in the impact mechanism or conclusion between the CEQA Proposed Project and the CEQA Reduced Density Alternative compared to the CEQA Reduced Density Alternative No Student Housing/Faculty Housing Variant/Sub-Alternative. The potential for odor exposure may be reduced under the CEQA Reduced Density Alternative No Student Housing/Faculty Housing Variant/Sub-Alternative because there would be no on-site residential receptors.

Cumulative Impacts

The cumulative condition is the same as described in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*, for the CEQA Proposed Project. The cumulative impact findings for the CEQA Reduced Density Alternative with the Variant/Sub-Alternative would be the same as for the CEQA Proposed Project and the CEQA Reduced Density Alternative. Specifically:

- The CEQA Reduced Density Alternative with the Variant could impede protection of regional air quality under State standards, elimination of health disparities, and attainment of regional climate goals, even after implementation of mitigation. Thus, the Variant would result in a cumulatively considerable impact with respect to air quality plan compliance under CEQA (air quality, health risks, and climate) and NEPA (health risks and climate).
- Because impacts from criteria pollutants are cumulative in nature, the project-level and cumulative impact thresholds for the analysis of regional air quality impacts are the same. Thus, the analysis and conclusions presented above in Impacts AIR-2a and AIR-2b under *Project-Level Impacts* characterize the cumulative regional air quality impacts of the CEQA Reduced Density Alternative with the Variant/Sub-Alternative under CEQA and NEPA, respectively.
- The CEQA Reduced Density Alternative with the Variant/Sub-Alternative , together with past, present, and probable future projects, would not result in significant cumulative odor emissions.

Chapter 4
Health Risk Analysis

This chapter describes the TACs, or, in federal parlance, hazardous air pollutants (HAPs), that may be generated by the proposed project and those that exist within the surrounding environment. It also identifies locations of sensitive receptors in the vicinity of the Project Site and discusses regulatory requirements pertaining to air quality–related health risks. The chapter assesses impacts on sensitive receptors from exposure to TACs and localized PM and CO and provides mitigation where feasible.

The health risk analysis study area is the same as the local air quality study area described in Chapter 3, *Air Quality*. It includes the Project Site plus areas within 1,000 feet of the property line. Refer to Chapter 3 for the broader analysis of air quality impacts from criteria air pollutants and odors during construction and operation of the proposed project. Chapter 5, *Greenhouse Gases and Climate Change*, assesses GHG emissions.

4.1 Affected Environment/Environmental Setting

4.1.1 Pollutants of Concern

Although ambient air quality standards, as discussed in Section 3.2, *Regulatory Setting*, in Chapter 3, *Air Quality*, have been established for criteria pollutants, no ambient standards exist for TACs. Many pollutants are identified as TACs because of their potential to increase the risk of developing cancer or because of their acute or chronic health risks. For TACs that are known or suspected carcinogens, CARB has consistently found that there are no levels or thresholds below which exposure is risk free. Individual TACs vary greatly in the risks they present. At a given level of exposure, one TAC may pose a hazard that is many times greater than another. TACs are identified and their toxicity is studied by the California Office of Environmental Health Hazard Assessment (OEHHA). The primary TACs of concern associated with the proposed project are diesel particulate matter (DPM), asbestos, trichloroethene, tetrachloroethene, 1,2-dichloroethene, vinyl chloride, and 1,1-dichloroethane. The later five HAPs were identified by EPA as the risk-based site-specific cleanup levels (EPA 2010), with trichloroethene to be used as an indicator compound track remediation progress.

Each TAC is discussed further below. Refer to Section 3.1.1, *Pollutants of Concern*, in Chapter 3, *Air Quality*, for a description of localized PM and CO sources and associated health effects.

4.1.1.1 Diesel Particulate Matter

DPM is generated by diesel-fueled equipment and trucks. Passenger vehicles are not a significant source of DPM. CARB estimates that DPM emissions are responsible for about 70 percent of the total ambient air toxics risk (CARB 2000:8). Within the Bay Area, studies have found that of all controlled TACs, emissions of DPM are responsible for about 82% of the total ambient cancer risk (Air District 2017a:2-21). Short-term exposure to DPM can cause acute irritation (e.g., eye, throat, and bronchial), neurophysiological symptoms (e.g., lightheadedness, nausea), and respiratory symptoms (e.g., coughing, phlegm). The International Agency for Research on Cancer (2012:1) has classified diesel engine exhaust as "carcinogenic to humans, based on sufficient evidence that exposure is associated with an increased risk for lung cancer."

4.1.1.2 Asbestos

Asbestos is the name given to several naturally occurring fibrous silicate minerals. Before the adverse health effects of asbestos were identified, asbestos was widely used as insulation and fireproofing in buildings, and it can still be found in some older buildings. It is also found in its natural state in ultramafic rock (i.e., igneous and metamorphic rock with low silica content) that has undergone partial or complete alteration to serpentine rock (or serpentinite) and often contains chrysotile asbestos. The inhalation of asbestos fibers into the lungs can result in a variety of adverse health effects, including inflammation of the lungs, respiratory ailments (e.g., asbestosis, which is scarring of lung tissue that results in constricted breathing), and cancer (e.g., lung cancer and mesothelioma, which is cancer of the linings of the lungs and abdomen) (EPA 2024e).

According to the California Department of Conservation (2000:1-7), naturally occurring asbestos (NOA) is not found within the Project Site. Existing buildings on the Project Site were constructed between the 1940s and mid-1980s, some of which could contain asbestos containing materials (ACMs).

4.1.1.3 Trichloroethene (TCE)

Trichloroethene (aka trichloroethylene), or TCE, is a man-made chemical. TCE is a clear, colorless liquid but quickly evaporates into the air. TCE at NRP originates from contaminated groundwater with the TCE migrating through the soil into buildings. This exposure route is known as vapor intrusion. TCE is readily absorbed into your body via the inhalation pathway and then easily moves into your bloodstream. Once in your blood, TCE travels throughout your body, affecting the functioning of your liver, nervous system, lungs, and kidneys, as well as the brain. Health studies have also shown that TCE may cause fetal development issues. Low to moderate exposures over months or years can cause long-term, or chronic, health effects, such as immune system effects. Long-term exposure increases your risk of developing kidney cancer and non-Hodgkin lymphoma (U.S. Department of Health and Human Services [DHHS] 2022).

4.1.1.4 Tetrachloroethene (PCE)

Other names for tetrachloroethene are tetrachloroethylene, perchloroethylene (PERC), and PCE. PCE is a nonflammable liquid at room temperature. It evaporates easily into the air and has a sharp, sweet odor. Similar to TCE, PCE at NRP originates from contaminated groundwater with the PCE migrating through the soil into buildings. Results of animal studies, conducted with acute exposure levels show that tetrachloroethylene can cause liver and kidney damage. Acute exposures have also been shown to affect the nervous system, respiratory system and eyes. The US Department of Health and Human Services (DHHS 1997) has determined that tetrachloroethylene may reasonably be anticipated to be a carcinogen based on the development of liver tumors in mice and kidney tumors in male rats. Based on these and more recent studies OEHHA has developed inhalation exposure cancer risk values (OEHHA 2016).

4.1.1.5 1,2-Dichloroethene (1,2 DCE)

A flammable, colorless liquid, 1,2-dichloroethene (1,2-DCE) has been described as having a sweet smell. Similar to TCE, 1,2-DCE quickly evaporates into the air. Once in the air, it usually takes about 5–12 days for half of it to break down. It should be noted that 1,2-DCE originates mostly in groundwater contamination from the migration of groundwater containing chlorinated VOCs from

the upgradient MEW Superfund facility sites located just south of the Project Site in Mountain View. Furthermore, 1,2-DCE is known to be an irritant to the eyes and skin (DHHS 2023).

4.1.1.6 Vinyl Chloride

Vinyl chloride is a colorless gas with a mild, sweet odor. Vinyl chloride in water or soil evaporates rapidly at the surface. Vinyl chloride at NRP originates from contaminated groundwater with the vinyl chloride migrating through the soil into buildings. TCE, which is the main groundwater contaminant at NASA ARC, can degrade to vinyl chloride through reductive dichlorination. It is often found in conjunction with TCE groundwater contamination. EPA has classified vinyl chloride as a known human carcinogen via the inhalation route of exposure. Animal studies have shown that exposure to vinyl chloride during pregnancy can affect the growth and development of the fetus (DHHS 2024).

4.1.1.7 1,1-Dichloroethane (1,1-DCA)

A colorless, oily liquid, 1,1-dichloroethane (1,1-DCA) has been described as having a sweet odor. It evaporates easily at room temperature. It should be noted that 1,1-DCA at NRP originates from contaminated groundwater, with the 1,1-DCA migrating through the soil from groundwater and into buildings where it may volatize and concentrate. Furthermore, 1-1-DCA breaks down relatively slowly in air. EPA has found that 1,1-DCA is a possible human carcinogen. High levels of 1,1-DCA exposure can cause irregular heartbeats. Kidney effects have been observed in animals exposed to 1,1-DCA in air for long periods (DHHS 2015).

4.1.2 Local Wind Patterns

Regional and local meteorology influence the dispersion and concentration of TAC and CO and thus can directly affect receptor exposure to these pollutants. Regional and local meteorology are discussed in Section 3.1.2, *Climate and Meteorology*, in Chapter 3, *Air Quality*.

Figure 4-1 shows a 5-year (2013-2017) wind rose illustrating that the predominant wind direction is from the north northwest and that about a third of all hours have calm conditions (wind speed less than 0.5 mile per hour) at the Project Site. The average hourly wind speed in Moffett Field experiences mild seasonal variation over the course of the year. The windier part of the year lasts for 5 months, from March to August, with average wind speeds of more than 7 miles per hour. The windiest month of the year is June, with an average hourly wind speed of almost 9 miles per hour. The calmer time of year lasts for 7 months, from August to March. The calmest month of the year is October, with an average hourly wind speed of about 6.5 miles per hour (UC Berkeley et al. 2024:14).

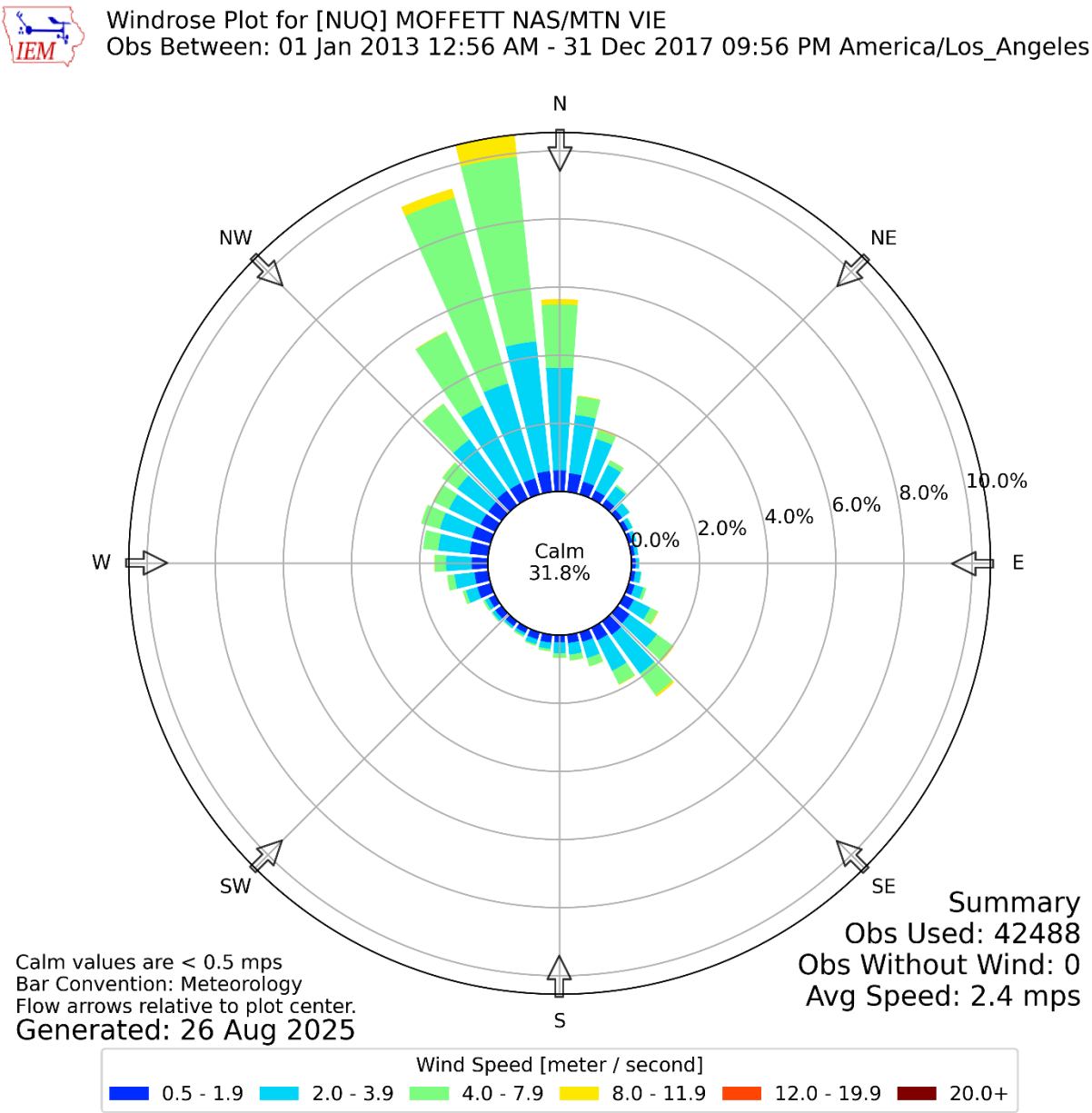

Figure 4-1. Predominant Wind Patterns near the Project Site

4.1.3 Existing Health Conditions

4.1.3.1 Environmental Burdens

OEHHA maintains the California Communities Environmental Health Screening Tool (CalEnviroScreen), which provides relative rankings of census tracts based on 21 environmental, health, demographic, and socioeconomic indicators (e.g., ozone concentrations, groundwater threats, education levels). Ranking scores are provided for each indicator, which are also combined

to provide an overall ranking score for the census tract. The scores are not a measure of health risk; rather, they reflect the relative pollution burden and vulnerabilities in one census tract compared to other census tracts in the state. Scores are given on a scale of 0 to 100, with larger numbers representing areas with relatively high existing pollution burdens and population sensitivities.

The Project Site is in Census Tract 06085504700, which has a CalEnviroScreen percentile score of 42. This score indicates that the census tract experiences slightly lower pollution and secondary effects than the rest of the state. Traffic and DPM are the two most burdened exposure indicators, whereas cleanup sites and hazardous waste are the highest ranked environmental effects. Population and socioeconomic vulnerabilities are relatively low compared to the pollution burdens. However, CalEnviroScreen indicates that the census tract is affected by lack of housing and low birth weight. (OEHHA 2024.) Based on these conditions, the census tract is not a Senate Bill (SB) 535 designated disadvantaged community but is designated an Assembly Bill (AB) 1550 low-income community (CARB 2024c).[31]

4.1.3.2 Ambient Pollutant Concentrations

Refer to Table 3-2 in Chapter 3, *Air Quality*, for a summary of ambient PM and CO concentrations in the vicinity of the Project Site.

4.1.3.3 Background Health Risks

In the 1960s and 1970s, several industrial companies involved in semiconductors, electronics, and other manufacturing and research contaminated the soil and groundwater. Resulting in a large regional plume of chlorinated VOCs found at the Project Site. The primary source of this contamination is migration of contaminated groundwater from the upstream MEW that has commingled with groundwater contamination from Navy's chlorinated solvent sources located within the NASA Ames Research Center. The comingled groundwater contamination is referred to as the "Regional Plume." In addition, petroleum hydrocarbons and fuel-related constituents, such as benzene, toluene, ethylbenzene and xylenes (BTEX), from sources at Moffett Field, have also impacted groundwater at the Project Site. This also included chemicals used at the former Naval Air Station at Moffett Field by the Navy and NASA Ames, which covers the area of the proposed project. In 1984, the area was proposed for the Federal National Priorities List for Superfund Cleanup as the Moffett Field Superfund Site and later selected for inclusion in the National Priorities List (EPA ID: CA2170090078). NASA Ames, the Navy, and the MEW Superfund site potentially responsible parties are each responsible for remediation of a portion of the plume (EPA 1989).

In 1989, EPA issued a record of decision (ROD) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), selecting soil and groundwater cleanup remedies. The soil cleanup was completed in 2001. The groundwater cleanup remedy includes extraction and treatment systems using activated carbon air-stripping systems with subsequent venting to the atmosphere to reduce or eliminate subsurface vapor intrusion into buildings. The MEW Companies have installed and are operating a groundwater remediation system and groundwater monitoring

[31] Disadvantaged communities are defined as the census tracts ranking in the top 25th percentile for environmental burdens and socioeconomic conditions (i.e., CalEnviroScreen score of 75 or higher). Low-income communities are defined as the census tracts that are either at or below 80 percent of the statewide median income, or at or below the threshold designated as low-income by the California Department of Housing and Community Development's state income limits.

wells for groundwater remediation systems. Based on TCE and other VOC contaminant concentration trends in the groundwater, the current groundwater remedy is not expected to achieve cleanup levels for many more decades. EPA is the leading regulatory agency overseeing the Navy and NASA's environmental investigation and ongoing cleanup work. Further details on the background and history of the site can be found in the Environmental Issues Management Plan (EKI Environment and Water 2024).

The nearest treatment facility to the proposed project is the Regional Groundwater Remediation Project located 120 feet north of Wescoat Road between Building 16 and Building 510 (EPA 2019). The nearest extraction well to the proposed project is located about 40 feet north of Wescoat Road near building 126.

Without mitigation, contaminated groundwater in project area could result in human health risks above safe levels in indoor air through vapor intrusion. These risks stem primarily from the migration of trichloroethene (TCE) in groundwater or soil gas. In August 2010, the EPA amended the MEW Site 1989 ROD in accordance with the CERCLA and the National Contingency Plan (NCP) to address health risks associated with long-term exposure to TCE and other MEW Site chemicals of potential concern through the vapor intrusion pathway in current and future buildings overlying the shallow subsurface contamination at the MEW site (EPA 2010). Vapor intrusion is the process where harmful chemical vapors from contaminated soil and groundwater migrate into and contaminate the indoor air of buildings, posing potential health risks. These vapors, also known as VOCs, from sources like gasoline, dry cleaners, or other industrial operations can enter buildings and other structures through cracks and openings in the foundation and cause adverse health effects in both the short and long-term, depending on concentration and duration of exposure.

In EPA's ROD Amendment for the Vapor Intrusion Pathway at the MEW Superfund Study Area (2010 VI ROD Amendment) (EPA 2010), the selected remedy for existing buildings within the vapor intrusion study area (VI study area) with TCE or other site contaminants of concern was the installation of an appropriate sub-slab/sub-membrane ventilation system, monitoring, and institutional controls. As specified in the VI ROD Amendment of 2010, the VI study area is defined as the area where TCE concentrations in shallow groundwater exceed 5 micrograms per liter (µg/L).

The ROD Amendment provides a tiering system to determine the appropriate response action for each building/property within the VI study area. The tiering system for existing buildings is based on indoor air sampling (with or without engineering controls such as HVAC/SSD/SMD in place) and other lines of evidence. The corresponding response action may include both ECs and institutional controls (ICs). To determine the appropriate response tier and corresponding response action for the industrial/commercial buildings within VI study area (there are no residential buildings present), plans were developed to conduct VI investigations consisting of indoor air and outdoor air sampling with analysis for COCs (PCE, TCE, cis-,2-DCE, 1,1- DCE, 1,1-DCA, and VC) by EPA Method TO-15 SIM.

Pathways: VOCs may volatilize from the groundwater and soil, migrate upward through voids and cracks in the floors, conduits, or subsurface structures (e.g., basements, sumps, or trenches), and then enter buildings. For buildings with basements, VOCs may volatilize from groundwater directly through the basement floor and walls. Personnel inside the buildings ("receptors") could inhale these vapors.

Potential Receptors: Potential receptors are individuals in current and future buildings in the VI study area. While there are no immediate or short-term health or ecological concerns, the response

action in the ROD Amendment (EPA 2010) ensures that building occupants are protected from potential long-term inhalation and dermal exposures to COCs.

Conceptual Site Model: Volatilization of VOC contamination in shallow groundwater is the primary source of vapors that may migrate into buildings. Releases of chlorinated solvents from on- and off-site sources have impacted the shallow groundwater beneath Former NAS Moffett Field, primarily with TCE and PCE. The groundwater table beneath Former NAS Moffett Field is approximately 5 to 10 feet bgs, with shallow groundwater generally flowing from the to the north-northeast, primarily through relict sandy stream channel deposit.

Factors affecting the VI pathway into and within buildings include vapor pressure differences inside the building and below the foundation (sub-slab); the presence of cracks and breaks in the foundation; utility conduits and drain lines that penetrate the foundation; existence of subfloor crawlspaces where vapors can accumulate; negative and positive pressure differences from operation of an HVAC system, fans, and powered vents (such as in laboratories, kitchens, break rooms, and restrooms); temperature gradients within the building; ventilation pathways from open windows, wall cracks, and siding separation; open vertical conduits such as stairwells, elevator and ventilation shafts; and multi-floor utility conduits.

The VI study area is defined as the area where the estimated TCE groundwater concentrations exceed 5 parts per billion (ppb). The VI study area covers all of the Project Site. The risk-based site-specific indoor air cleanup action levels, based on monitoring data, are listed in Table 4-1 (EPA 2010).

Table 4-1. Vapor Intrusion Study Area Site Indoor Air Cleanup Levels

Site Chemicals of Concern	Indoor Air Cleanup Level (µg/m^3)		Basis
	Residential	Commercial	
Trichloroethene (TCE)	1.0	5.0	Representing 2.4 x 10-6 lifetime exposure cancer risk through application of the EPA/IRIS toxicity factor and a 1 x 10-6 lifetime exposure cancer risk through application of Cal/EPA toxicity factor.
Tetrachloroethene (PCE)	0.4	2	Representing 1.9 x 10-6 lifetime exposure cancer risk and a 2.4 x 10-6 lifetime exposure cancer risk through application of Cal/EPA toxicity factor.
Dichloroethene (1,2-DCE)	60	210	Based on 1,2-DCE Non-cancer Hazard Index of 1.
Vinyl chloride	0.2	2	Representing 1 x 10-6 lifetime target cancer risk. EPA uses a larger conversion factor from residential to commercial for vinyl chloride because the residential value takes into account child exposure and higher sensitivity earlier in life.
1,1-Dichloroethane (1,1-DCA)	2	6	Representing 1x 10-6 lifetime target cancer risk.

The indoor cleanup indoor air action levels have triggered cleanup actions. Discussed here are the buildings within the proposed project boundary or within 1,000 feet of the boundary that have had indoor air monitoring potentially triggering the need for cleanup actions.

Building 126:

Building 126 is an approximately 13,000-square-foot, one-story structure occupied by the Moffett Historical Society Museum. The building has a concrete slab floor and carpeting, with visible seams on the slab floor. Floor drains are present in Rooms 104 and 106A, and there is a sink drain in Room 105. Sewer conduits penetrate the slab floor in Rooms 104 and 106A. Interim mitigation measures, including crack and joint sealing, sealing drains, and filling the sump and vault in the utility room at the northwest of the building with controlled low-strength material, were completed between September and October 2019. Additional mitigation measures at Building 126 include the installation of an SSDS (Sub-Slab Depressurization System) installed in 2023.

Recent indoor air samples collected at Building 126 in January of 2024 were below EPA's indoor air cleanup levels, but still measurable. TCE was reported at a maximum concentration of 0.45 $\mu g/m^3$, PCE was reported at a maximum concentration of 0.39 $\mu g/m^3$.

Building 555:

Building 555 is a one-story structure located within the study area with approximately 5,000 square feet. The building is used as an office by multiple tenants. The building has a concrete slab and tile floors. The condition of the slab is unknown as it is covered by carpet. Floor drains are present in Room R112B. There are sink drain conduits penetrating the slab floor in Rooms 108A, R111, and R110. Conduits for communication lines penetrate the slab floor in Room 107B. Building 555 has an HVAC system (zoned heating/cooling) with three roof-mounted AC units.

There are currently no mitigation measures in place at Building 555 because sampling data has consistently shown indoor air concentrations for all pollutants of concern to be below their respective clean up levels. The maximum measured TCE concentration in indoor air was 0.80 $\mu g/m^3$. PCE was below detection limits.

Building 555 is however subject to long term/annual monitoring.

Building 16:

Building 16 is an approximately 15,000 square-foot, single-story building with a second-story annex on a slab-on-grade foundation. The building consists of offices, a wood shop, and a machine shop. Building 16 is currently occupied by a maintenance contractor. The building has a concrete slab floor with visible cracks and seams. Floor drains are present in Room 111 and Rooms R101 and R102 (bathrooms). Electrical conduits penetrate the concrete floor slab in Room 118.

Building 16 has an HVAC system (zoned heating/cooling). It also has an A/H in Room 111 and a small exhaust fan in Room 106. Open windows, restroom fans, and a window-mounted AC unit in Room 110A provide cooling and air circulation. A building specific boiler system that runs on natural gas is used for heating. Room 118 (server room) has a separate system not connected to the HVAC system in the rest of Building 16. Room 118 has four air chillers that recirculate and cool air within Room 118 without an outdoor air source or ventilation. There is no air interchange between Room 118 and the rest of Building 16 or the outdoor air. The windows and doors of Room 118 are always kept closed, and the chillers remain on at all times to protect the servers.

Prior to the installation by the Navy of the SSDS in late 2024 at Building 16, TCE had exceeded EPA's indoor air cleanup level of 5.0 µg/m^3 in two air samples: (air chillers on and (HVAC-off at 33 µg/m^3 and 7.6 µg/m^3, respectively. Other pollutants of concern were below the EPA's indoor air cleanup levels. Subsequent indoor air samples at Building 16 after SSD activation have not shown an exceedance of any of the pollutants of concern.

To ensure safe ambient levels from the soil vapor extraction operations for pollutants of concern (vinyl chloride, tetrachloroethene, and trichloroethene), the operations must meet or emit less than the emission limits in Air District Regulation 8 Rule 47: Air Stripping and Soil Vapor Extraction Operations.

Two permitted stationary sources (Navy commissary backup generator) are located within 1,000 feet of the proposed project boundary. Information on these two existing stationary sources was provided by the Air District (Table 4-2) (2002).[32] Other existing stationary sources and planned future sources on NASA Ames property were provided by NASA (Table 4-3). This includes at Hangar One a sub-slab depressurization (SSD) system that would include two blowers with emissions control units to reduce concentrations in contaminated soil located adjacent to Hangar One. The Air District has identified several source types that do not pose a significant health impact even in combination with other nearby sources. This includes non-diesel standby generators and boilers and these sources per Air District guidance (Air District 2023a) are excluded from the analysis of health risks and hazards impacts.

Additional Navy vapor intrusion systems potentially being constructed within the 1,000-foot buffer include:

Building 3:

Installation of a sub-membrane depressurization system within the eastern side of the building where the raised foundation is present. Installation of an SSD system to generate sufficient negative sub-slab pressure to mitigate vapor intrusion on the western side of the building, under the slab foundation. The sub-slab vapor measurements will be used to determine the need for SSD exhaust treatment to comply with Air District toxic emissions rules.

Building 45:

A SSD system consisting of up to four blowers and associated suction points to generate sufficient negative sub-slab pressure to mitigate vapor intrusion. The sub-slab vapor measurements will be used to determine the need for SSD exhaust treatment to comply with BAAQMD toxic emissions rules.

Building 15:

Installation of an SSD system in the building.

- Installation of a blower and inlet and exhaust at suction point near the HVAC room of the southwest slab area.
- Installation of a blower at Suction Point #2 located within the original structure at the north end.

[32] https://baaqmd.maps.arcgis.com/apps/webappviewer/index.html?id=845658c19eae4594b9f4b805fb9d89a3

For Suction Points #3 and #4,

- Installation of a blower at Suction Point #5 located at the southeast side slab.

Installation of blower with inlet and exhaust.

Building 567:

Installation of an SSD system.

- A blower with inlet and exhaust at Suction Points #1and #2 with blower at Suction Point #3.
- A blower with inlet and exhaust at Suction Point #4.

Table 4-2. Nearby Existing Stationary Sources – Bay Area Air District Permitted Facilities

Facility Name	Air District Facility ID	Address	Source Type
CA Air National Guard	9477	680 Macon Road	Unknown
Federal Aviation Administration	14809	158 Cody Road	Diesel Generator
Moffett Field Commissary	20825	Building 12	Diesel Generator
Avports LLC	23393	158 Cody Road	Diesel Generator
AMES Research Center	550-1049	Moffett Field NS	Diesel Generator
AMES Research Center	550-REM	Moffett Field NS	Diesel Generators
AMES Research Center	550-3	Moffett Field NS	Nonretail Gas Station

Table 4-3. Additional Sources on the NASA Ames Property

Bldg. ID	Facility Name	Source Type	Size	Operating Hours"(per year)	Height (ft)
15	Sub-slab depressurization (SSD) system	Vapor extraction of contaminated soil and groundwater	Four units	8,760	—
567	SSD	Vapor extraction of contaminated soil and groundwater	Four units	8,760	—
Hangar One	SSD	Vapor extraction of contaminated soil and groundwater	Two units	8,760	10

For the Air District -provided sources, health risk values were calculated for the Project Site using the Air District -provided Health Risk Calculator (Beta 5.0). The results from these calculations are provided in Table 4-4. 550-REM represents the combined emissions of all 37 remaining generators that are not individually identified, so the modeled health risks are conservatively higher with all the remaining sources conservatively collocated as unit locations are not known. The higher impact is therefore a modeling artifact of the aggregation rather than an indication that any single generator within that group has unusually high emissions or parameters.

The NASA-provided existing stationary sources have been explicitly modeled and included as part of the cumulative analysis, with the exception of Building 15, the operating parameters for which are being confirmed. Buildings 3 and 45 are not included because the decision on operating an SSD is dependent upon their sub-slab vapor measurements.

Table 4-4 Maximum Cancer Risk and $PM_{2.5}$ from Stationary Sources within 1,000 Feet of the Project

Facility Name	Facility No.	Distance to Project Site (m)	Diesel Generator (Y/N)	Cancer Risk (in-a-million) [a]	Total $PM_{2.5}$ ($\mu g/m^3$) [a]
Air District Permitted Sources					
CA Air National Guard	9477	125	No	6	0.01
Federal Aviation Administration	14809	40	Yes	11	0.01
Moffett Field Commissary/Defense Commissary Agency	20825	240	Yes	2	0.00
Avports LLC	23393	125	Yes	15	0.02
AMES Research Center	550-1049	25	Yes	3	0.00
AMES Research Center	550-REM	125	Yes	226	33.08
AMES Research Center	550-3	125	No	6	0.00
NASA Ames Property					
Building 15	N/A [b]	109	No	N/A [b]	N/A [b]
Hangar One	N/A [b]	187	No	N/A [b]	N/A [b]

Notes: $\mu g/m^3$ = microgram per cubic meter; m = meter; $PM_{2.5}$ = fine particulate matter

[a] Measured at the fenceline of the property source. Risks decline as a function of distance and are lower at the Project Site, as analyzed in the cumulative impact assessment presented in Section 4.3.7, *Impacts*.

[b] Non-permitted sources do not have an Air District facility number or fenceline modeling results from the Air District. Risks were only modeled at the Project Site as part of the cumulative impact assessment.

In addition to existing stationary sources, mobile sources emissions contribute to increased health risk. The Air District (2022) conducted modeling of $PM_{2.5}$ concentrations, chronic hazard index and cancer risk projected for 2022 from roadway network data for all highways/freeways and major roadways in the Bay Area using EMFAC2021 emission factor model. The modeling consisted of modeling roadway links, use of wind fields generated from the Weather Research and Forecasting meteorological model all used as input to the AERMOD dispersion model and then applying the OEHHA cancer and chronic risk calculation methodology (OEHHA 2015) to the AERMOD predicted concentrations.

Based on Air District modeling, the Project Site has an estimated existing cancer risk between 4.3 per million and 12.7 per million due primarily to nearby on-road mobile source emissions operating along U.S. 101 as developed by the Air District (2022).[33] No rail emissions are within 1,000 feet of the Project Site. The annual $PM_{2.5}$ concentration due to on-road mobile sources at the Project Site is between 0.12 $\mu g/m^3$ and 0.34 $\mu g/m^3$. For both cancer risk and annual $PM_{2.5}$, the maximums are located along the southwest area of the proposed project development area, while the lower bound values are located at the most northerly corner of the proposed project development area. The Air

[33] https://mtc.maps.arcgis.com/apps/instant/sidebar/index.html?appid=c5f9b1a40326409a89076bdc0d95e429

District cumulative threshold for annual $PM_{2.5}$ is 0.8 µg/m^3. It is likely that residential housing within the development area will experience health risks exceeding the Air District recommended thresholds. Mitigation measures recommended by the Air District, as outlined in Chapter 5, Section 8.5, Mitigating Air Quality and Climate Impacts," of the Air District CEQA Guidelines (2023a) and the Air District's *Planning Healthy Places* guidebook (2016), to reduce the exposure of sensitive receptors, such as the planned future residential dwellings, from traffic impacts may include the use of vegetative barriers and the installation and maintenance of an air filtration system.

4.1.4 Receptors

The Air District (2023a:5–11) defines sensitive receptors as "children, the elderly, and those with preexisting serious health problems." Land uses where sensitive receptors are located and where there is reasonable expectation of continuous human exposure include "schools and schoolyards, parks and playgrounds, day-care centers and preschools, hospices, dormitories, prisons, nursing homes, hospitals, and residential communities" (Air District 2023a:5–11). Analyses performed by CARB (2005:8) indicate that providing a separation of at least 1,000 feet from diesel sources and high-traffic areas would reduce exposure to air contaminants and decrease asthma symptoms in children. This CARB study demonstrates that DPM concentrations and resultant health effects decline as a function of distance from the emissions source.

Figure 4-2 shows the receptor types and locations in the Local Air Quality Study Area (within 1,000 feet of the Project Site). Table 4-5 summarizes the number of buildings by receptor type within the Local Air Quality Study Area and identifies the nearest distance to the Project Site for each receptor type. As shown, residential uses are the most common receptor type within the Local Air Quality Study Area. Other receptor types include worker, educational, daycare, and parks. There are no senior centers, nursing homes, pre-schools, K–12 schools, or medical or institutional (i.e., prison) facilities in the Local Air Quality Study Area. According to NASA, the existing buildings south of the Project Site (and outside the Limits of Work) are currently unoccupied and are anticipated to remain unoccupied during construction of the proposed project; thus, the existing buildings south of the Project Site are not considered receptors within the Local Air Quality Study Area.[34] The proposed Student/Faculty Housing units would be constructed within Subarea 6 in Building 12 during Phase 4 (for a conceptual site plan showing the possible locations of the proposed buildings, see Figure 3.12-2 in Section 3.12, *Noise*, of this joint EIR/EIS).

Table 4-5. Receptor Types in the Local Air Quality Study Area

Receptor Type	Number of Buildings	Nearest Distance (feet) to Project Site
Workers – On-Site (i.e., Future Workers in On-Site Buildings, not Construction Workers)	12	n/a
Worker – Off-Site (i.e., Existing and Future Workers in NASA Research Park)	42	21

[34] According to NASA, it is anticipated that the recreational fields south of the Project Site would be used intermittently (e.g., on a weekly basis for a few hours at a time) during construction of the proposed project; thus, the sports fields are not considered sensitive receptors according to Air District CEQA Guidelines. In addition, some of the existing buildings south of the Project Site would require occasional maintenance and other intermittent activities during project construction, but would remain unoccupied.

Receptor Type	Number of Buildings	Nearest Distance (feet) to Project Site
Residential[a]	136	46
Worker – Undefined	15	99
Educational – University	2	283
Daycare – Church[b]	2	612
Park	1	725
Worker – Off-Site (i.e., Existing and Future Workers in NASA Ames Campus)	1	943

Notes:
n/a = not applicable
[a] For a conceptual site plan showing the possible locations of the proposed buildings, see Figure 3.12-2 in Section 3.12, *Noise*, of this joint EIR/EIS.
[b] The garages associated with residential uses are not considered sensitive receptors.
[c] Churches are not generally considered sensitive receptors. However, the facilities (including an outbuilding) are identified because they could include an on-site daycare or play yard.

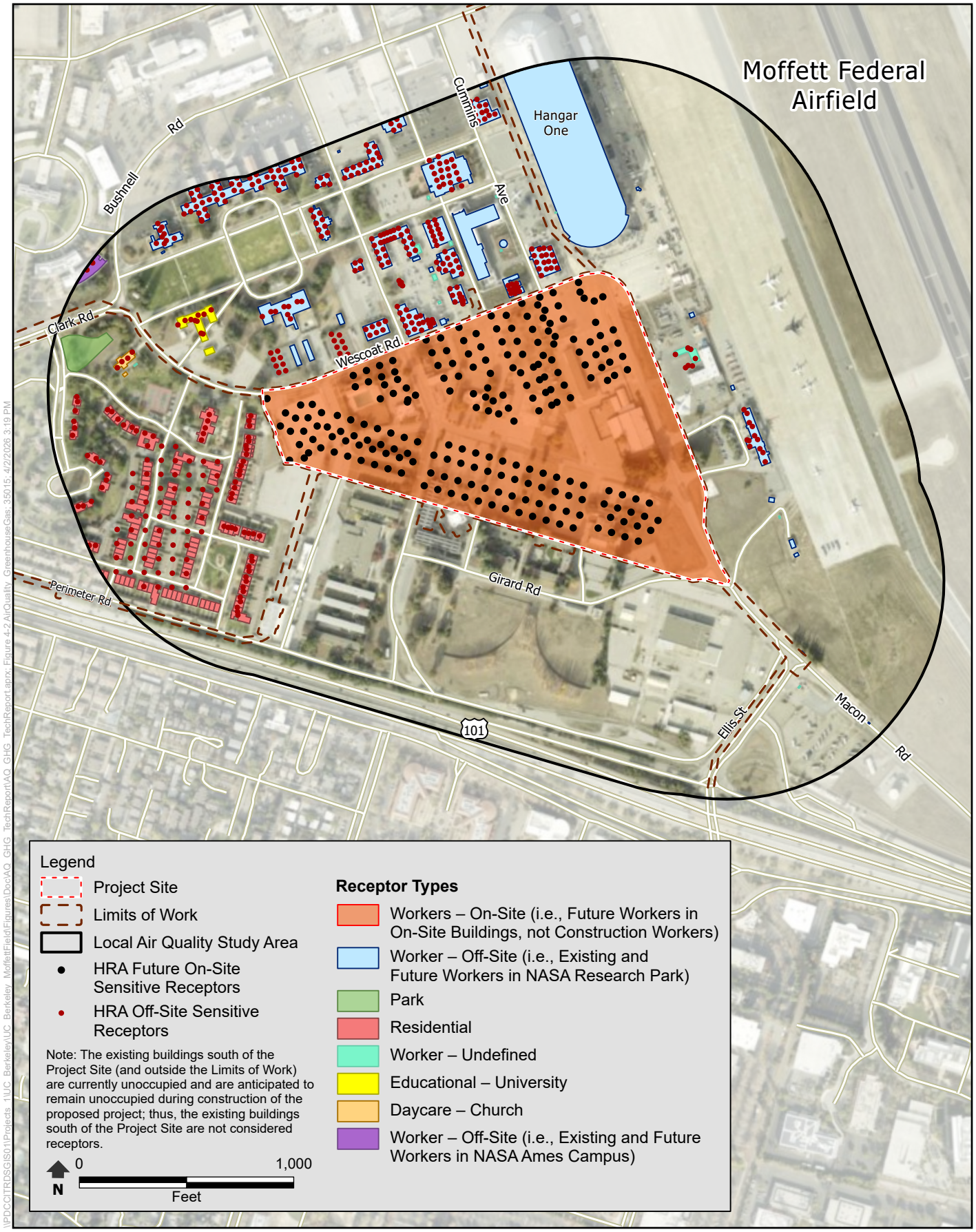

Figure 4-2
Receptor Types and Locations in the Local Air Quality Study Area
Berkeley Space Center at NASA Research Park

4.2 Regulatory Setting

As discussed in Section 3.2, *Regulatory Setting*, various federal, State, and regional agencies work jointly to regulate air quality. Many of the air quality regulations discussed in Chapter 3 are likewise designed to protect human health. For example, electrification of medium- and heavy-duty trucks pursuant to CARB's Advanced Clean Fleets (ACF) Regulation will reduce DPM. The following sections further discuss regulations, actions and legislation that have been specifically adopted to control TAC and reduce associated public exposure to these emissions.

4.2.1 Federal

Unlike criteria pollutants, there are no NAAQS for HAPs. EPA regulates these pollutants through a series of rules and emission control programs. The National Emission Standards for Hazardous Air Pollutants (NESHAP) apply to stationary sources of HAP and require the maximum degree of emission reduction that the EPA determines to be achievable, which is known as Maximum Achievable Control Technology (MACT). In EPA's NESHAP (54 FR 38044, 38061, September 14, 1989) for benzene they determined the need for residual cancer risk standards to strive to limit the risk to no more than approximately 100 in a million for a person living near a plant would have if exposed to the maximum pollutant concentration for 70 years. The Control of Hazardous Air Pollutants from Mobile Sources was adopted in 2007 to limit the benzene content of gasoline and reduce toxic emissions from passenger vehicles and gas cans. EPA also manages various programs that reduce HAP risks in local communities, including the Clean School Bus Program, the U.S. Diesel Retrofit Program, Best Workplaces for Commuters, and the National Clean Diesel Campaign.

4.2.2 State

4.2.2.1 Toxic Air Contaminant Regulation

California regulates TAC primarily through the Toxic Air Contaminant Identification and Control Act (Tanner Act) of 1983 and the Air Toxics Hot Spots Information and Assessment Act of 1987 (Hot Spots Act). In the early 1980s, CARB established a statewide comprehensive air toxics program to reduce exposure to air toxics. The Tanner Act created California's program to reduce exposure to air toxics. The Hot Spots Act supplements the Tanner Act by requiring a statewide air toxics inventory, notification of people exposed to a significant health risk, and facility plans to reduce these risks. In 1998, CARB identified DPM as a toxic air contaminant (TAC) and established a quantitative health risk value for its carcinogenic effects. This landmark ruling was a critical step in initiating the State's comprehensive efforts to reduce emissions from diesel engines and protect public health. In 2003 the California Office of Environmental Health Hazard Assessment (OEHHA) first published their Program Guidance Manual for Preparation of Health Risk Assessments designed to provide consistent risk assessment procedures across the state.

CARB has also adopted regulations to reduce emissions from both on-road and off-road heavy-duty diesel vehicles (e.g., equipment used in construction). These regulations, known as Airborne Toxic Control Measures (ACTM), reduce the idling of school buses and other commercial vehicles, limit the emissions of ocean-going vessels in California waters, and control emissions of air toxics from

mobile and stationary sources. For example, CARB's 2022 amendments to the 2004 Transport Refrigeration Unit (TRU) ACTM requires the electrification of diesel-powered TRU trucks by 2029, which will reduce DPM emissions.

4.2.2.2 Air Pollution and Health and Equity Regulation

California has advanced several policies and regulations to address and center health and equity as part of public planning. Many of these regulations have a nexus with air quality. SB 535 recognizes that environmental pollution has had a disproportionate effect on disadvantaged communities, and requires these areas be prioritized for emission reduction projects funded by California's cap-and-trade program. AB 1550 expanded funding prioritization from cap-and-trade proceeds to include low-income communities. AB 617 requires the State to monitor and report criteria pollutant and TAC emissions for certain stationary sources. The bill also requires development of a statewide plan to reduce these emissions in communities that experience a high cumulative exposure burden. In response to AB 617, CARB developed the Community Air Protection Program, which includes air monitoring and emissions reductions programs, initially focused on ten designated communities throughout California.

4.2.2.3 University of California

The University of California, a constitutionally created State entity, is not subject to municipal regulations of surrounding local governments for uses on property owned or controlled by the UC that are in furtherance of its educational purposes. UC Berkeley may consider, for coordination purposes, aspects of local plans and policies for the communities surrounding the project when it is appropriate and feasible, but it is not bound by those plans and policies in its planning efforts. For the purposes of CEQA, UC Berkeley has elected to use guidance from the Air District to evaluate impacts on receptors to construction and operational emissions. This guidance is discussed further in Section 4.3.6, *Thresholds of Significance*.

4.2.3 Regional

The Air District's *CEQA Air Quality Guidelines* (2023a) provides detailed guidance and recommended methods for assessing the potential health impacts from receptor exposure to localized CO, PM, and TAC. The *CEQA Air Quality Guidelines* include screening criteria for the analysis of localized CO and recommended numeric thresholds to address the potential for an individual project to significantly elevate existing risks or hazards from receptor exposure to TAC and $PM_{2.5}$ (Air District 2023a:Table 3-1).

As discussed in Section 3.2.3, *Regional,* the Air District's 2017 Clean Air Plan provides an integrated strategy for improving air quality and protecting human health. The Air District has also adopted various rules and regulations to improve existing and future air quality. Many of the air quality rules identified in Section 3.2.3 will likewise reduce air toxics. The following additional Air District regulations and rules are specifically developed to control air toxins and reduce associated health risks.

- Regulation 2, Rule 5 (New Source Review of TACs)—This rule outlines guidance for evaluating TAC emissions and their potential health risks.

- Regulation 11, Rule 2 (Hazardous Pollutants – Asbestos Demolition, Renovation, and Manufacturing). This regulation, which incorporates EPA's asbestos NESHAP regulations, controls emissions of asbestos to the atmosphere during demolition, renovation, and transport activities.

4.3 Impact Analysis

4.3.1 Dispersion Modeling and Description Components

Consistent with Air District guidance, the health risk analysis evaluates $PM_{2.5}$ concentrations, chronic and acute hazard (non-cancer), and excess cancer risk imposed by the proposed project on the surrounding community and future on-site receptors per year of construction and under full operational conditions. The American Meteorological Society/EPA Regulatory Model (AERMOD) dispersion model (Version 24142) (EPA 2024f) was used to estimate pollutant concentrations at specific distances from emission sources using 5 years (2013–2017) of hourly meteorological data from the Moffett Federal Airfield Airport station, consistent with Air District guidance (Bay Area Air District 2025). The Moffett Federal Airfield station, which is the closest station to the Project Site, most closely matches the meteorological conditions, terrain, and surrounding land use. The predominant wind flow is to the south-southeast, as shown in the Air District meteorological 5-year rose (2013–2017) (Figure 4-1). AERSURFACE was used to calculate the land use types surrounding the Project site to determine whether the rural or urban dispersion coefficient should be used in the Project AERMOD modeling. The urban dispersion coefficient was used, which is consistent with Air District guidance because approximately 70 percent of the area surrounding the Project Site within a 3-kilometer radius is labeled as developed medium and high intensity (Bay Area Air District 2023b:E-27, E-28). See Appendix C for land use calculation details. A population of 81,785 was conservatively used to represent the population of Mountain View, although the 2020 U.S. Census indicates a population of 82,376 (U.S. Census Bureau 2020).

Terrain elevations were obtained from available digital terrain elevations developed by the U.S. Geological Survey by using its National Elevation Dataset (NED). The NED data provide terrain elevations with 1-meter vertical resolution and 10-meter ($^1/_3$ arc-second) horizontal resolution based on a Universal Transverse Mercator (UTM) coordinate system. The USGS specifies coordinates in North American Datum 83, UTM Zone 10. Lakes Environmental software (Version 13.0.0) was used to process the NED data and assign elevations to the receptor locations and sources prior to running AERMOD.

4.3.2 Receptor Locations

All sensitive receptors within 1,000 feet of the Project Site boundary and on the Project Site are included in the modeling. Figure 4-2 shows the actual receptor locations and discrete cartesian receptor grids with 20 x 20 meter receptor spacing used to represent receptor locations in AERMOD. The flagpole height for all receptors of 1.5 meters was used in the analysis consistent with Air District's permitting procedures under Regulation 2-5.

4.3.3 Construction Sources

Per Air District *CEQA Air Quality Guidelines* (2023a: Appendix E), area source types are used to characterize construction activities during demolition, site preparation, grading, paving, and building construction. The area sources match the dimensions and locations of the construction activities being modeled and vary by

construction phase. As shapes are multi-sided polygons the area sources were modeled using AREAPOLY. The exhaust source release height was set at 3.4 meters for trucks and 1.3 meters for non-trucks. The initial vertical dimension was set at 3.16 meters for trucks and 1.21 meters for non-trucks. Per Air District guidance, $PM_{2.5}$ emissions from vehicle-related fugitive emissions were combined with the $PM_{2.5}$ exhaust emissions (Bay Area Air District 2023b).

Volume sources are used to represent off-site trips from vehicles associated with hauling, vendors and workers. Use of adjacent volume sources, equally distanced, are used to characterize off-site construction vehicle movements. Figure 4-3 shows the locations of the volume sources are consistent across all construction phases. All construction sources used variable emissions to account for actual construction hours, which are Monday through Friday from 7 a.m. to 6 p.m. Table 4-5 presents the volume source configurations for construction activity.

Table 4-5 Volume Source Configuration for Construction

Modeling Parameter	Value
Vehicle Height	4.0 meters for trucks
	1.53 meters for non-trucks
Plume Height	6.8 meters for trucks 2.6 meters for non-trucks
Source Release Height	3.4 meters for trucks 1.3 meters for non-trucks
Width of Plume	Width of different lanes of traffic + 6 meters for wake effects
Initial Lateral Dimension (Syinit)	Width of plume/2.15
Initial Vertical Dimension (Szinit)	3.16 meters for trucks 1.21 meters for non-trucks

Source: Bay Area Air District 2023b.

4.3.4 Operational Sources

Figure 4-4 shows the three types of stationary (referred to as point) sources (generator, cooling tower, and laboratories) that would operate within the Project Site. Up to 13 backup diesel generators could operate, along with cooling towers located on building roof tops. In addition, some buildings will have air emissions associated with operation of a wet laboratory. These stationary sources of emissions are vented to the atmosphere through stacks at specified flow rates and temperatures at specific locations. Table 4-6 presents the stationary source stack parameters for each operational activity. Building downwash effects were included in the modeling of nearby buildings and structures, including Hangar One using AERMOD's BPIP/BPIP-PRIME executable.

Table 4-6 Stationary Source Configuration for Operation

Modeling Parameter	Generator[a]	Cooling Tower[b]	Laboratory Venting[c]
Release Height (m)	28.96	31.3	27.45
Temperature (deg K)	740	566	293.2
Diameter (m)	0.183	3.35	0.914
Flow Rate (m^3/s)	1.19	90.4	10.0

Sources:

a. Bay Area Air District. *Air Quality Guidelines Appendix E: Recommend Methods for Screening and Modeling Local Risks and Hazards*. Table 10.
b. Wong, Vianca. SKS. June 20, 2025—email message to ICF regarding BSC Moffett.
c. University of California, Davis. 2018. *2017 LRDP Health Risk Assessment* prepared Yorke Engineering, January.

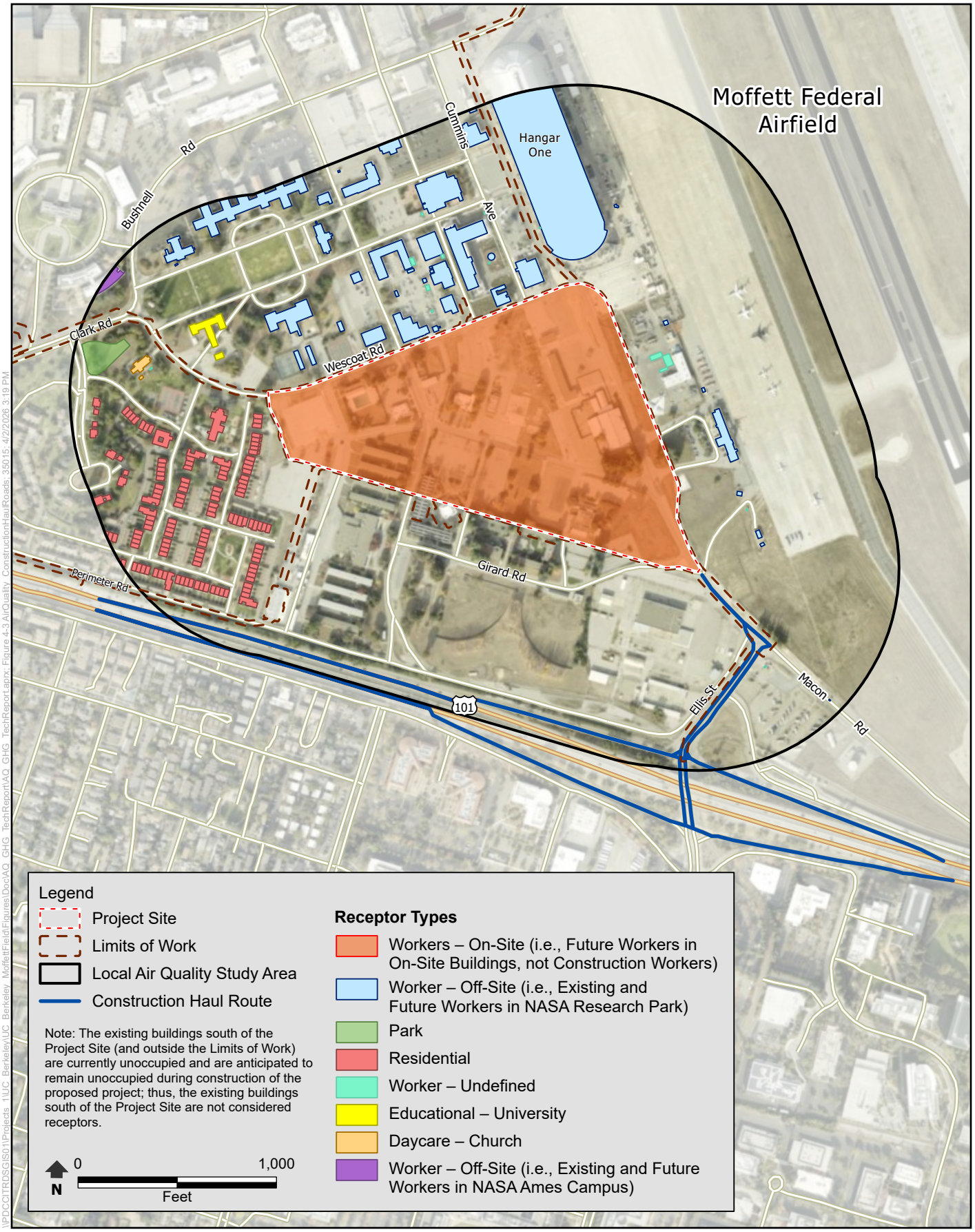

Figure 4-3
Construction Haul Routes Included in AERMOD Modeling
Berkeley Space Center at NASA Research Park

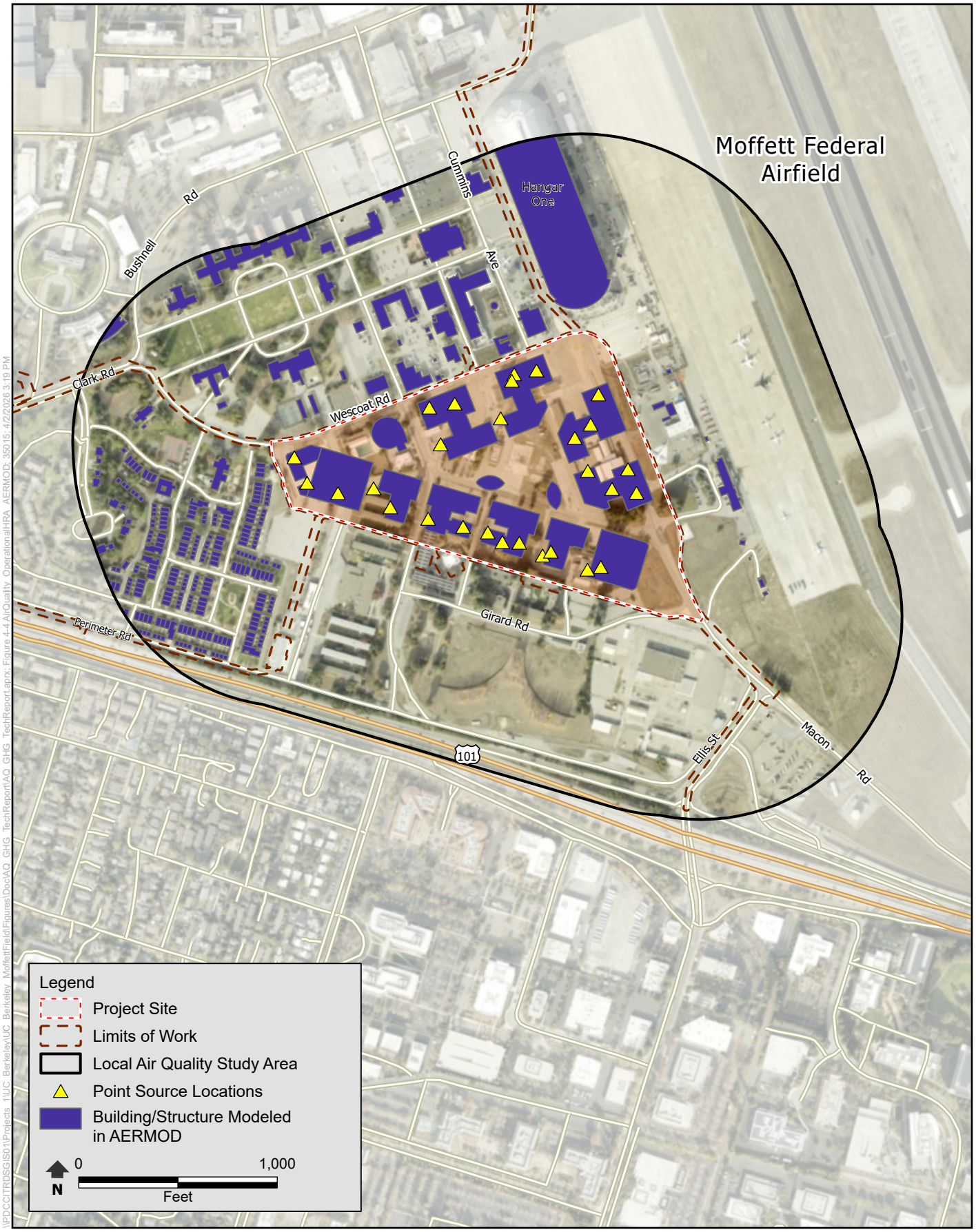

Figure 4-4
Operational Stationary Sources and Nearby Buildings Included in AERMOD Modeling
Berkeley Space Center at NASA Research Park

In addition to stationary sources, mobile sources were modeled as line volume sources to represent off-site trips from vehicles associated with deliveries and hauling by vendors and worker trips. Use of adjacent volume sources, equally distanced, are used to characterize off-site operational vehicle movements. All operational sources used variable emissions to account for operational hours, which are Monday through Friday from 7 a.m. to 6 p.m. Mobile source emissions from passenger vehicles (EMFAC vehicle categories LDA and LDT) are only included in the fine PM analysis as they are not a substantial source of DPM.

4.3.5 Health Risk Assessment Modeling

CARB's HARP2 software was used to estimate the cancer risk, chronic and acute hazard index via HARP2's Risk Assessment Standalone Tool (RAST), Version 22118. RAST (OEHHA 2015) included analysis of construction activities as well as operational emissions from vehicle traffic, construction equipment, cooling towers, and emergency generators. As discussed in Section 3.3.1, *Methodology*, in Chapter 3, Air *Quality*, mobile source emissions of PM exhaust have been adjusted based on CARB (2025d) guidance to remove the estimated emissions benefits attributed to the ACT, Warranty Phase 1, and Omnibus regulations, which were revoked on June 12, 2025. The health risk assessment incorporates the adjusted mobile source DPM and $PM_{2.5}$ emissions.

Emissions and exposure to sensitive populations would vary across the construction period. Therefore, multiple exposure scenarios were evaluated to capture the period of maximum impact on each sensitive population and location. The maximum impact from each of these scenarios was reported.

The proposed construction phases are described in Chapter 2, *Project Description*. Health impacts were evaluated in the following five exposure scenarios. Although not statutorily required, the Air District recommends risks to worker receptors be considered in CEQA impact analyses. Thus, consistent with Air District guidance, this analysis considers both sensitive and worker receptors.

- **Scenario 1.** Off-site receptors' exposure beginning at the start of Phase 1 construction.
- **Scenario 2.** Off-site and on-site Phase 1 receptors' exposure beginning at the start of Phase 2 construction.
- **Scenario 3.** Off-site and on-site Phase 1 and Phase 2 receptors' exposure beginning at the start of Phase 3 construction.
- **Scenario 4.** Off-site and on-site Phase 1, Phase 2, and Phase 3 receptors' exposure beginning at the start of Phase 4 construction.
- **Scenario 5.** Off-site and on-site Phase 1, Phase 2, Phase3, and Phase 4 receptors' exposure to Project Buildout operations.

Refer to Appendix C for the risk calculations and additional assumptions.

Off-site residential receptors were evaluated using the total 30-year cancer risk for proposed project construction plus operations for resident receptors through inhalation, using the OEHHA-Derived Method (OEHHA 2015). The 13.5-year construction period of the proposed project (2026 through 2039 for projects analyzed in this HRA) was also evaluated for cancer risk for existing residential

receptors within 1,000 feet of the proposed project. The starting age of exposure for offsite residential receptors' cancer risk was 3rd trimester of pregnancy. On-site residential receptors were evaluated for the longest duration stay for student faculty housing, which is 4 years as a graduate student plus 4 years as faculty for a total of 8-year exposure duration. Off-site workers not affiliated with this project were evaluated using the total 25-year cancer risk for worker receptors for proposed project construction plus operations following OEHHA guidance (OEHHA 2015). Future on-site workers at buildings associated with the project were also evaluated using the total 25-year OEHHA-recommended cancer risk for proposed project construction plus operations. The starting age of exposure for worker receptors' cancer risk was 16. Factors that affect the dose that a receptor would receive include, but are not limited to, age-specific daily breathing rates as well as exposure time, frequencies, and duration. The formula used for calculating residential and worker inhalation risk is as follows:

$RISK_{inh} = DOSE_{air} \times CPF \times ASF \times ED/AT \times FAH$

Where:

$RISK_{inh}$- = inhalation cancer risk

$DOSE_{air}$ = Daily inhalation dose (milligrams per kilogram [mg/kg]-day)
CPF = Inhalation cancer potency factor (mg/kg-day-1)
ASF = Age sensitivity factor for a specified age group (unitless)
ED = Exposure duration (in years) for a specified age group
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

WAF = Worker Adjustment Factor (unitless)

The inhalation risk was calculated in HARP2 using the OEHHA 2015-recommended default values for these parameters:

CPF = Substance-specific
ASF = 10 for third trimester to age 2, 3 for ages 2–16, 1 for ages 16–30; 1 for workers
ED = 0.25 year for third trimester, 2 years for ages 0–2, 7 years for ages 2–9, 14 years for ages 2–16, 14 years for ages 16–30; 25 years for worker
AT = 30 years (residential); 25 years (worker)
FAH = 0.85 for third trimester to age 2, 0.72 for ages 2-16, and 0.73 for ages 16-30; 0.73 for worker

WAF = 4.2

The daily inhalation dose is defined as:

$DOSE_{air} = C_{air} \times \{BR/BW\} \times A \times EF \times 10\text{-}6$

Where:

$DOSE_{air}$ = Dose through inhalation (mg/kg-day)
C_{air} = Concentration in air ($\mu g/m^3$)
{BR/BW} = Daily breathing rate normalized to body weight (liters per kilogram body weight - day)
A = Inhalation absorption factor (unitless)
EF = Exposure frequency (unitless), days/365 days
10-6 = Micrograms to milligrams conversion, liters to cubic meters conversion

The daily inhalation dose was calculated in HARP2 using OEHHA 2015-recommended default values for these parameters:

C_{air} = Concentration as calculated from AERMOD
{BR/BW} = OEHHA-derived method (i.e., 95th percentile) estimates (361 for third trimester, 1,090 for ages 0–2, 745 for ages 2–16, 335 for ages 16–30) (residential); 8-hour normalized breathing rate of 230 (worker)
A = 1
EF = 0.96 (resident) (350 days/365 days); 0.68 (worker) (250 days/365 days)

4.3.6 Thresholds of Significance

As described in Section 1508.27 of the CEQ's NEPA regulations, the criteria of context and intensity are considered together when determining the severity of a change introduced by a project.

- For this analysis, the *context* would include existing conditions on the Project Site and within 1,000 feet of project features, including the number and location of sensitive receptors.
- For this analysis, *intensity* is determined by assessing the degree to which the project would affect public health by exposing sensitive receptors to pollutant concentrations.

Appendix G of the State CEQA Guidelines provides the following consideration for the analysis of health risks in the context of air quality assessment.

- Expose sensitive receptors to substantial pollutant concentrations.

All criteria pollutants that would be generated by the project are associated with some form of health risk (e.g., lower respiratory problems). Criteria pollutants can be classified as either regional or localized pollutants. TACs are localized pollutants. Regional pollutants can be transported over long distances and affect ambient air quality far from the emissions source. Localized pollutants affect ambient air quality near the emissions source.

The primary regional pollutants of concern generated by the project are ozone precursors (ROG and NO_X) and PM. Health considerations associated with these pollutants at the regional scale are discussed under Impact AIR-2a in Chapter 3, *Air Quality*. The localized pollutants of concern that would be generated by the project are CO, PM, and TAC. The following sections discuss thresholds and analysis considerations for these local project-generated pollutants with respect to their human health implications.

4.3.6.1 Carbon Monoxide

Heavy traffic congestion can contribute to high levels of CO. Individuals exposed to such "hot spots" may have a greater likelihood of developing adverse health effects. The Air District has adopted screening criteria that provide a conservative indication of whether project-generated traffic would cause a potential CO hot spot. A project would not cause localized violations of the CAAQS for CO if the Air District's (2023a:4–5) CO screening criteria, summarized below, are met.

- The project traffic would not increase traffic volumes at affected intersections to more than 44,000 vehicles per hour.
- The project traffic would not increase traffic volumes at affected intersections to more than 24,000 vehicles per hour where vertical and/or horizontal mixing is substantially limited (e.g., a tunnel, parking garage, bridge underpass, natural or urban street canyon, below-grade roadway).

- The project would be consistent with an applicable congestion management program established by the county congestion management agency for designated roads or highways, the regional transportation plan, and local congestion management agency plans.

If the screening criteria are not met, a quantitative analysis, through site-specific dispersion modeling of project-related CO concentrations, would not be necessary. CO concentrations would result in a significant impact under CEQA and an adverse effect under NEPA if they exceed the CAAQS or NAAQS.

The Air District does not consider construction-generated CO to be a significant pollutant of concern because construction activities typically do not generate substantial quantities of this particular pollutant (Air District 2023a).

4.3.6.2 Particulate Matter

The Air District adopted an incremental $PM_{2.5}$ concentration-based significance threshold in which a "substantial" contribution at the project level for an individual source is defined as total (i.e., exhaust and fugitive) $PM_{2.5}$ concentrations exceeding 0.3 microgram per cubic meter (μg/m^3). In addition, the Air District considers projects to have a cumulatively considerable adverse impact on health from $PM_{2.5}$ if sensitive receptors are exposed to $PM_{2.5}$ concentrations from local sources within 1,000 feet, including existing sources, project-related sources, and reasonably foreseeable future sources, that exceed 0.8 μg/m^3 (Air District 2023a:Table 3-1). Exceedances of these thresholds would result in a significant impact under CEQA and an adverse effect under NEPA if they exceed the CAAQS or NAAQS.

4.3.6.3 Toxic Air Contaminants

Long-term exposure to certain TACs can lead to cancer, birth defects, and damage to the brain and nervous systems. The Air District has adopted incremental cancer and hazard thresholds to evaluate receptor exposure to single sources of TAC emissions. The "substantial" TAC threshold defined by the Air District is exposure of a sensitive receptor to an individual emissions source, resulting in a project level excess cancer risk level of more than 10 in 1 million or a non-cancer (i.e., chronic or acute) hazard index greater than 1.0. The Air District also considers projects to have a cumulatively considerable DPM impact if they contribute to DPM emissions that, when combined with cumulative sources within 1,000 feet of sensitive receptors, result in excess cancer risk levels of more than 100 in 1 million or a hazard index greater than 10.0 (Air District 2023a:Table 3-1). Exceedances of these thresholds would result in a significant impact under CEQA and an adverse effect under NEPA if they exceed the CAAQS or NAAQS.

In addition to these numeric thresholds, the Air District considers the storage or use of acutely hazardous materials near receptors to be significant. Any project that would expose receptors to Emergency Response Guidelines exposure level 2 would have a significant impact (Air District 2022). The Air District also considers a project to have a significant asbestos impact if it does not comply with the applicable regulatory requirements outlined in Air District Regulation 11, Rule 2 (Air District 2023a:Table 3-1).

4.3.7 Impacts

4.3.7.1 CEQA No-Project/Existing Conditions Alternative and NEPA No-Action Alternative

Under the CEQA No-Project/Existing Conditions Alternative, the CEQA Proposed Project and the CEQA Reduced Density Alternative would not be constructed. The on-site buildings that are currently operational would continue to be operational.

There would be no changes to localized pollutant emissions described in Section 4.3.6.2 in the study area beyond those from already planned construction and development. Because the project would not be implemented, no construction activity or emissions would occur. The on-site buildings that are currently operational would continue to be operational and generate localized pollutant emissions, although these would be minor. Consequently, there would be no net change in exposure of sensitive receptors to substantial localized CO, PM, or TAC emissions.

Under the NEPA No-Action Alternative, the proposed action would not be constructed and operated at the Project Site. However, the on-site buildings that are currently operational would continue to be operational, and the on-site buildings that are currently vacant would be reoccupied. This analysis assumes that reoccupying the existing buildings would not require construction activity. Therefore, the NEPA No-Action Alternative would not result in localized emissions from construction. Similarly, no new sources of localized operational emissions would be introduced on the Project Site or in the vicinity of the Project Site would occur.

4.3.7.2 CEQA Proposed Project (NEPA Build Alternative 1)

Project-Level Impacts

Impact HRA-1. Expose Sensitive Receptors to Substantial Localized Carbon Monoxide Concentrations

Continuous engine exhaust may elevate localized CO concentrations. Certain people exposed to CO hot spots may have a greater likelihood of developing health effects such as fatigue, headaches, confusion, dizziness, and chest pain. CO hot spots are typically observed at heavily congested roadway intersections where a substantial number of gasoline-powered vehicles idle for prolonged durations throughout the day. Construction sites are less likely to result in localized CO hot spots due to the nature of construction activities, which normally utilize diesel-powered equipment for intermittent or short durations. Accordingly, this analysis focuses on potential CO hot spots associated with changes in vehicle traffic during operations.

CO hot spots are typically observed at heavily congested intersections where a substantial number of gasoline-powered vehicles idle for prolonged durations throughout the day. The Air District's screening criteria for CO hot spots is 44,000 vehicles per hour at affected intersections and 24,000 vehicles per hour at affected intersections where vertical or horizontal mixing is limited (i.e., a tunnel). Projects electing to apply these screening criteria must be consistent with an applicable congestion management program (CMP). Traffic volumes at none of the affected intersections would exceed 24,000 vehicles per hour, nor are any study area intersections covered by a CMP (Tan pers. comm. [B]). Thus, the CEQA Proposed Project meets the Air District's CO screening criteria and would not contribute to any new localized violations of the health-protective NAAQS or CAAQS for CO.

Impact HRA-2. Expose Sensitive Receptors to Substantial Toxic Air Contaminants and Localized Particulate Matter

DPM is a carcinogen contained in the exhaust of diesel internal-combustion engines. Project-related construction activities would generate DPM (i.e., PM_{10} exhaust from diesel vehicles)[35] from the use of off-road equipment and heavy-duty trucks. PM_{10} exhaust, $PM_{2.5}$ exhaust, and fugitive dust emissions would be generated from the use of off-road equipment, on-site soil movement, and heavy-duty trucks and worker vehicles traveling on paved roads.

Operational activities would generate DPM from the use of delivery trucks and other heavy-duty vehicles traveling to and from the site, and the testing and use of emergency generators. $PM_{2.5}$ emissions would be generated by all vehicles traveling to and from the site, the testing and operation of emergency generators and cooling towers. Laboratories would generate ROG-based TACs. All these activities could expose off-site and on-site receptors to incremental increases in health risks.

Health impacts from exposure to DPM include cancer risks and chronic non-cancer risks. Health impacts from exposure to ROG-based TACs include cancer risks, chronic non-cancer risks, and acute non-cancer risks. In addition, the HRA includes an evaluation of annual concentrations of $PM_{2.5}$.

As discussed in Impact AIR-2a, unmitigated project emissions would exceed Air District regional thresholds for construction and operations, and mitigation would be required. Therefore, both unmitigated and mitigated health risks for off-site and on-site receptors were analyzed. The mitigated analysis accounts for anticipated reductions achieved by Mitigation Measures AQ-1, AQ-3, and TRAN-1. Mitigation Measures AQ-2, HAZ-1, and GHG-1 are not quantified or not fully quantified for the reasons discussed in Section 3.3.3.2 under Impact AIR-2a. Mitigation Measures AQ-4 and AQ-5 would reduce ROG emissions from architectural coatings, and Mitigation Measure AQ-6 addresses gasoline equipment, none of which are a substantial component of the HRA. Table 4-7 presents the maximum health risks for the CEQA Proposed Project for off-site and on-site receptors under the five scenarios above under *Health Risk Assessment Modeling.*

[35] Per Air District guidance, PM_{10} exhaust is used as a surrogate for DPM.

Table 4-7. Estimated Project-Level Health Risk Results from Modeled Scenarios for the CEQA Proposed Project

Receptor Type	Cancer Risk (cases per million) (unmitigated/mitigated)[f]	Non-Cancer Chronic Risk (unmitigated/mitigated)[f]	Non-Cancer Acute Risk[f]	Annual $PM_{2.5}$ Concentrations (µg/m^3) (unmitigated/mitigated) [f]
Scenario 1 – Exposure Starting at Beginning of Construction Phase 1 [a]				
MEIR – existing off-site	12.7/3.1	0.05/0.01	0.01	0.35/0.12
MEIR – future on-site	NA	NA	NA	NA
Significance Threshold	10.0	1.0	1.0	0.3
Exceeds Threshold?	Yes/No	No	No	Yes/No
Scenario 2 – Exposure Starting at Beginning of Construction Phase 2 [b]				
MEIR – existing off-site	13.6/3.7	0.05/0.01	0.01	0.35/0.12
MEIR - future on-site	15.2/5.5	0.11/0.03	0.07	0.97/0.42
Significance Threshold	10.0	1.0	1.0	0.3
Exceeds Threshold?	Yes/No	No	No	Yes
Scenario 3 – Exposure Starting at Beginning of Construction Phase 3 [c]				
MEIR – existing off-site	9.3/3.1	0.05/0.01	0.01	0.35/0.12
MEIR – on-site	9.5/5.2	0.11/0.03	0.07	0.97/0.42
Significance Threshold	10.0	1.0	1.0	0.3
Exceeds Threshold?	No	No	No	Yes
Scenario 4 – Exposure Starting at Beginning of Construction Phase 4 [d]				
MEIR – existing off-site	28.9/8.7	0.05/0.01	0.01	0.35/0.12
MEIR – on-site	21.9/9.0	0.11/0.03	0.07	0.97/0.42
Significance Threshold	10.0	1.0	1.0	0.3
Exceeds Threshold?	Yes/No	No	No	Yes
Scenario 5 – Exposure to Project Buildout Operations [e]				
MEIR – existing off-site	2.3/2.3	<0.01/<0.01	0.01	0.04/0.03
MEIR – on-site	4.8/4.8	<0.01/<0.01	0.07	0.10/0.09
Significance Threshold	10.0	1.0	1.0	0.3
Exceeds Threshold?	No	No	No	No

Source: Appendix C

Note: Exceedances of thresholds are indicated with underlined text. As discussed in Section 4.3.5, *Health Risk Assessment Modeling*, the health risk assessment modeling accounts for mobile source emissions of PM2.5 that have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations.

MEIR = Maximally Exposed Individual Receptor; $\mu g/m^3$ = micrograms per cubic meter; $PM_{2.5}$ = particulate matter with an aerodynamic diameter of 2.5 or less.

[a] For Scenario 1, the evaluation of cancer risk was modeled for an exposure duration with 13.5 years of construction and 17 years of operations for an off-site resident. For an off-site worker, the evaluation of cancer risk was modeled for an exposure duration with 13.5 years of construction and 12 years for operations.

[b] For Scenario 2, the evaluation of cancer risk was modeled for an exposure duration with 9.5 years of construction and 21 years of operations for an off-site resident. For off-site and on-site workers, the evaluation of cancer risk was modeled for an exposure duration with 9.5 years and 9.0 years of construction, respectively, and 16 years for operations.

[c] For Scenario 3, the evaluation of cancer risk was modeled for an exposure duration with 6.5 years of construction and 24 years of operations for an off-site resident. For off-site and on-site workers, the evaluation of cancer risk was modeled for an exposure duration with 6.5 years and 6.0 years of construction, respectively, and 19 years for operations.

[d] For Scenario 4, the evaluation of cancer risk was modeled for an exposure duration with 3.5 years of construction and 27 years of operations for an off-site resident. For off-site and on-site workers, the evaluation of cancer risk was modeled for an exposure duration with 3.5 years and 3.0 years of construction, respectively, and 22 years for operations.

[e] For Scenario 5, the evaluation of cancer risk was modeled for an exposure duration with 30 years of operations for off-site and on-site residents. For off-site and on-site workers, the evaluation of cancer risk was modeled for an exposure duration with 25 years for operations.

[f] Construction plus operational emissions contributions to cancer risk, hazard indices, and annual $PM_{2.5}$ concentrations are shown for Scenarios 1 through 4. Operational-only emissions contributions to cancer risk, hazard indices, and annual $PM_{2.5}$ concentrations are shown for Scenario 5.

As shown in Table 4-7, there would be exceedances of the Air District project-level cancer risk threshold in Scenarios 1, 2, and 4, and exceedances of the Air District $PM_{2.5}$ threshold in Scenarios 1 through 4 for existing off-site residential receptors due to unmitigated project construction and operational activities. For future on-site worker receptors, there would be exceedances of the project-level cancer risk threshold in Scenarios 2 and 4, and exceedances of the $PM_{2.5}$ threshold in Scenarios 2 through 4 due to unmitigated project construction and operational activities. There would be no exceedances of thresholds during Scenario 5.

The primary cause of the cancer risk threshold exceedances for existing residential receptors is from being exposed to DPM during construction at the site, specifically exhaust from offroad equipment and on-site trucks, with smaller contributions from operational sources of TACs. The primary causes of the $PM_{2.5}$ concentration exceedances are on-site off-road equipment activity, earthmoving activities, and vehicle travel, which generates fugitive $PM_{2.5}$ from resuspended road dust.

Mitigation Measures AQ-1 through AQ-3, HAZ-1, GHG-1, and TRAN-1 would reduce receptor exposure to TAC and $PM_{2.5}$ emissions (refer to Table 4-7). Mitigation Measure HRA-1 is required to further reduce $PM_{2.5}$ exposure during construction. The measure outlines the Air District's enhanced fugitive dust controls, which the Air District (2023:5-5) recommends are implemented when $PM_{2.5}$ exceeds thresholds and would occur near sensitive land uses. While Mitigation Measure HRA-1 will reduce $PM_{2.5}$ in the form of fugitive dust, specific emission reductions are not quantifiable, as advised by the Air District (2023:D-28) in their CEQA Guidelines. Mitigation Measure HRA-2 is required to reduce on-site worker receptor exposure to pollutant emissions associated with construction.

Table 4-7 indicates that while mitigation will reduce cancer risks to less than significant, $PM_{2.5}$ concentrations would remain above the Air District $PM_{2.5}$ threshold during Scenarios 2 through 4 mainly due to construction $PM_{2.5}$ emissions, which are temporary in nature. To comply with the California Building Code (CALGreen section 160.2), building heating, ventilation, and air-conditioning (HVAC) units must have an air filtration system with air filters having a designated efficiency equal to or greater than Minimum Efficiency Reporting Value (MERV) 13 when tested in accordance with ASHRAE Standard 52.2.[36] This applies to the proposed project. Air filters will reduce occupants' exposure to both construction and operational emissions to fine particles. MERV 13 filters have a removal efficiency of 90 percent for particles ranging in size of their mean mass diameter between 1 to 3 microns and less than 75 percent for particles ranging in size from 0.3 to 1 micron (American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc. 2008). The Air District's Planning Healthy Places guidance indicates that MERV 13 air filtration devices installed on an HVAC air intake system can remove 80 to 90 percent of indoor PM (greater than 0.3 micron in diameter) (Bay Area Air District 2016). DPM has the peak particle size at around 0.1 microns, indicating that the MERV 13 filters will tend to have a DPM removal efficiency at the lower end of the range. Therefore, it was conservatively assumed that MERV 13 filters would only reduce the exposure of on-site receptors to $PM_{2.5}$ concentrations by 60 percent. Air filters are only effective in reducing DPM and $PM_{2.5}$ exposure when receptors are inside and exterior doors and windows are closed, which is anticipated during periods of construction activity.

Table 4-8 presents the maximum $PM_{2.5}$ concentrations for on-site receptors with implementation of Mitigation Measures AQ-1, AQ-3, and TRAN-1 and MERV 13 air filters during Scenarios 2 through 4.

[36] Chapter 5 Nonresidential Mandatory Measures - 2025 California Green Building Standards Code, Title 24, Part 11.

Non-cancer risks (chronic and acute) are not presented because these were determined in Table 4-7 not to exceed the Air District's thresholds with mitigation.

Table 4-8. Estimated Project-Level $PM_{2.5}$ Concentration Results from Modeled Scenarios for the CEQA Proposed Project with Mitigation and MERV 13 Air Filters

Receptor Type	Annual $PM_{2.5}$ Concentrations ($\mu g/m^3$)[a]
Scenario 2—Exposure Starting at Beginning of Construction Phase 2	
MEIR, on-site	0.17
Significance Threshold	0.3
Exceeds Threshold?	No
Scenario 3—Exposure Starting at Beginning of Construction Phase 3	
MEIR, on-site	0.17
Significance Threshold	0.3
Exceeds Threshold?	No
Scenario 4—Exposure Starting at Beginning of Construction Phase 4	
MEIR, on-site	0.17
Significance Threshold	0.3
Exceeds Threshold?	No

Source: Appendix C

Note: Exceedances of thresholds are indicated with bold and underlined text. As discussed in Section 4.3.5, *Health Risk Assessment Modeling*, the health risk assessment modeling accounts for mobile source emissions of PM2.5 that have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations.

MEIR = Maximally Exposed Individual Receptor; $\mu g/m^3$ = micrograms per cubic meter; $PM_{2.5}$ = particulate matter with an aerodynamic diameter of 2.5 or less.

[a] Construction plus operational emissions contributions to annual $PM_{2.5}$ concentrations are shown for Scenarios 2 through 4.

As shown in Table 4-8, MERV-13 filters would reduce $PM_{2.5}$ concentrations at all receptor locations to less than the Air District project-level threshold in all applicable scenarios. Given that HVAC units must be running for the filters to work and efficacy is reduced when windows are opened or workers and residents are outdoors, this analysis does not account for MERV-13 benefits shown in Table 4-8 in the final impact determination. This approach ensures risks are not underestimated and the analysis evaluates receptor impacts under the most conservative exposure scenario. Based on this analysis presented in Table 4-7, $PM_{2.5}$ exposure would exceed the Air District's threshold even after incorporation of Mitigation Measures HRA-1, HRA-2, AQ-1 through AQ-3, HAZ-1, GHG-1, and TRAN-1 and no further mitigation is available.

Mitigation Measure HRA-1. Enhanced Dust Control

All project contractor(s) comply with the Air District's current enhanced control measures for fugitive dust. The Air District's current enhanced control measures are drawn from their 2023 CEQA Guidelines, Table 5-3, and are identified below. The requirement to comply with the control measures shall be identified in construction bids.

- Limit the simultaneous excavation, grading, and ground-disturbing construction activities occurring within 1,000 feet of one another.
- Install wind breaks (e.g., trees, fences) on the windward side(s) of actively disturbed areas of construction. Wind breaks should have at maximum 50 percent air porosity.
- Plant vegetative ground cover (e.g., fast-germinating native grass seed) in disturbed areas as soon as possible and watered appropriately until vegetation is established.
- Install sandbags or other erosion control measures to prevent silt runoff to public roadways from sites with a slope greater than one percent.
- Minimize the amount of excavated material or waste materials stored at the site.
- Hydroseed or apply non-toxic soil stabilizers to construction areas, including previously graded areas, that are inactive for at least 10 calendar days.

Mitigation Measure HRA-2. Safe Work Practices to Limit Emissions Exposure

The Project Proponent or its contractor(s) shall provide educational material for on-site workers on ways to reduce emissions exposure during construction of the proposed project as part of a pre-construction advisory that precedes construction of each phase. These materials shall provide recommendations to on-site workers (i.e., future employees of the proposed project) to reduce their exposure while indoors and outdoors. The information shall include recommendations to reduce emissions exposure and examples include the following:

- Keep doors and windows closed when working inside and active construction is taking place.
- Ensure any heating, ventilation, and air-conditioning (HVAC) systems in buildings on the Project Site are operating and fully functional when indoors.
- Ensure any Minimum Efficiency Reporting Value (MERV) 13 (or higher) filter systems in buildings on the Project Site are in working order.
- Avoid standing or taking breaks in the vicinity of idling diesel-powered construction equipment associated with the proposed project.

Mitigation Measure AQ-1. Electric Equipment and Emissions Controls for Off-Road Diesel Engines during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*.

Mitigation Measure AQ-2. Zero-Emission On-Road Vehicles during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*.

Mitigation Measure AQ-3. Fugitive Dust Control

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*.

Mitigation Measure GHG-1. Best Management Practices for Construction-Related GHG Emissions

Refer to measure description in Chapter 5, *Greenhouse Gases and Climate Change*, Section 5.3.3, *Impacts*, under Impact GHG-1.

Mitigation Measure HAZ-1. Implement the Environmental Issues Management Plan

See discussion for the CEQA Proposed Project under Impact CEQA-HAZ-1 in Section 3.9, Haz*ards and Hazardous Materials*, of this joint EIR/EIS.

Mitigation Measure TRAN-1. Mitigated TDM Plan that Further Reduces Vehicles Trips by 7 Percent

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Cumulative Assessment

Existing TAC sources and the CEQA Proposed Project's construction and operational emissions could contribute to a cumulative health risk for sensitive receptors near the Project Site. According to the Air District's (2023) CEQA Guidelines, combined risk levels should be determined from all project and TAC sources within 1,000 feet of a Project Site, and the total combined risks at sensitive receptors should be compared to applicable cumulative health risk threshold.

The Air District's inventory of permitted sources and Health Risk Calculator (Beta 5.0) was used to identify health risks from permitted stationary sources of TACs within the cumulative study area (see Table 4-2). Health risks from existing and planned sources on the NASA Ames property, including SSD chemical vapor release (see Table 4-3), were also included in the cumulative analysis under the stationary source category. Background risks from vehicles traveling on major roadways in the cumulative study area were obtained from the Air District's (2022) mobile source risk databases. These datasets are the product of health risk modeling that the Air District has conducted and provide health risk contributions from roads and train tracks that are mapped to locations throughout the Bay Area. Further detail on background TAC sources is included in Appendix C, *Health Risk Assessment Technical Appendix*.

Consistent with Air District (2022) guidance, the project risk results (Table 4-8) were used to identify the maximally affected receptor location for each of the health endpoints (i.e., cancer risk, non-cancer risk, and annual $PM_{2.5}$ concentration). The greatest project cancer risk, non-cancer risk, and $PM_{2.5}$ concentration is observed at the same receptor location – the Project MEIR, shown in Figure 4-5. Cumulative health risks were determined by adding the total contribution from background sources to the modeled project risks at the location. Adding the highest project result to the total background risk provides a worst-case assessment and ensures cumulative health risks in the study area are not underreported.

The results of the cumulative impact assessment are summarized in Table 4-9. The project contribution includes implementation of AQ-1, AQ-3, and TRAN-1. Mitigation Measures AQ-2, HAZ-1,

GHG-1, HRA-1, and HRA-2 are not quantified or not fully quantified for the reasons discussed for the project-level analysis.

Table 4-9. Maximum Cumulative Health Risks for the CEQA Proposed Project

Source	Cancer Risk (per million)	Non-Cancer Chronic Hazard Index	Non-Cancer Acute Hazard Index	Annual $PM_{2.5}$ Concentration (μg/m³)
Project MEIR – Maximally Affected Receptor for Cancer, Non-Cancer, and $PM_{2.5}$ Risk [a]				
Background				
Stationary sources [b]	58	0.19	<0.01	**4.36**
Roadway sources [c]	9	0.03	NA	0.25
Total	67	0.22	<0.01	**4.61**
Project				
MEIR [a]	9	0.03	0.07	0.42
Total Cumulative [d]	76	0.25	0.07	**5.03**
Significance Threshold	100	10	10	0.8
Exceeds threshold?	No	No	No	Yes

Source: Appendix C

$PM_{2.5}$ = particulate matter with a diameter of 2.5 microns or less; μg/m³ = micrograms per cubic meter

Note: Exceedances of thresholds are indicated with bold and underlined text. As discussed in Section 4.3.5, *Health Risk Assessment Modeling*, the project-level health risk assessment modeling accounts for mobile source emissions of PM2.5 that have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations.

[a] Represents the receptor with the highest project cancer, non-cancer, and $PM_{2.5}$ risk (future on-site, Scenarios 2 through 4) (see Table 4-7). The receptor is located at UTM x, y: 583597.32, 4140578.25.

[b] Contribution from Air District permitted facilities (Tables 4-2) and existing and planned sources on the NASA Ames property (Tables 4-3). Note that the background risks presented in this table may not match what is presented in Table 4-4. This is because Table 4-4 presents the background risk at the facility fenceline, whereas this table presents the combined background risk at the modeled receptor location (A). Air District Facility number 550-REM contributes the majority of Stationary Source cancer risk (30 per one million) and $PM_{2.5}$ concentration (4.4 ug/m³) at Location A. 550-REM represents the combined emissions of 37 generators rather than a single unit, so the modeled health risks will naturally appear higher than the individually located units. The higher impact is therefore a modeling artifact of the aggregation rather than an indication that any single generator within that group has unusually high emissions or parameters.

[c] Obtained from the Air District's (2022) mobile source risk databases.

[d] Total background sources plus project. Values may not add due to rounding.

As shown in Table 4-9, background sources in combination with the CEQA Proposed Project would exceed the Air District's cumulative $PM_{2.5}$ concentration threshold at the Project MEIR. Background sources result in a $PM_{2.5}$ concentration at the Project MEIR above the Air District's cumulative threshold of 0.8 μg/m³ and the project contributes an additional 0.42 μg/m³, resulting in a total maximum $PM_{2.5}$ concentration of 5.03 μg/m³.

As discussed above, buildings constructed by the proposed project are required to install MERV-13 air filters. Applying a MERV-13 removal efficiency of 60 percent would reduce the maximum annual $PM_{2.5}$ concentration at the Project MEIR to 2.01 μg/m³. Thus, with consideration of MERV-13 filters, which are required by CALGreen, cumulative $PM_{2.5}$ concentrations at the maximally affected receptor location would remain cumulatively considerable.

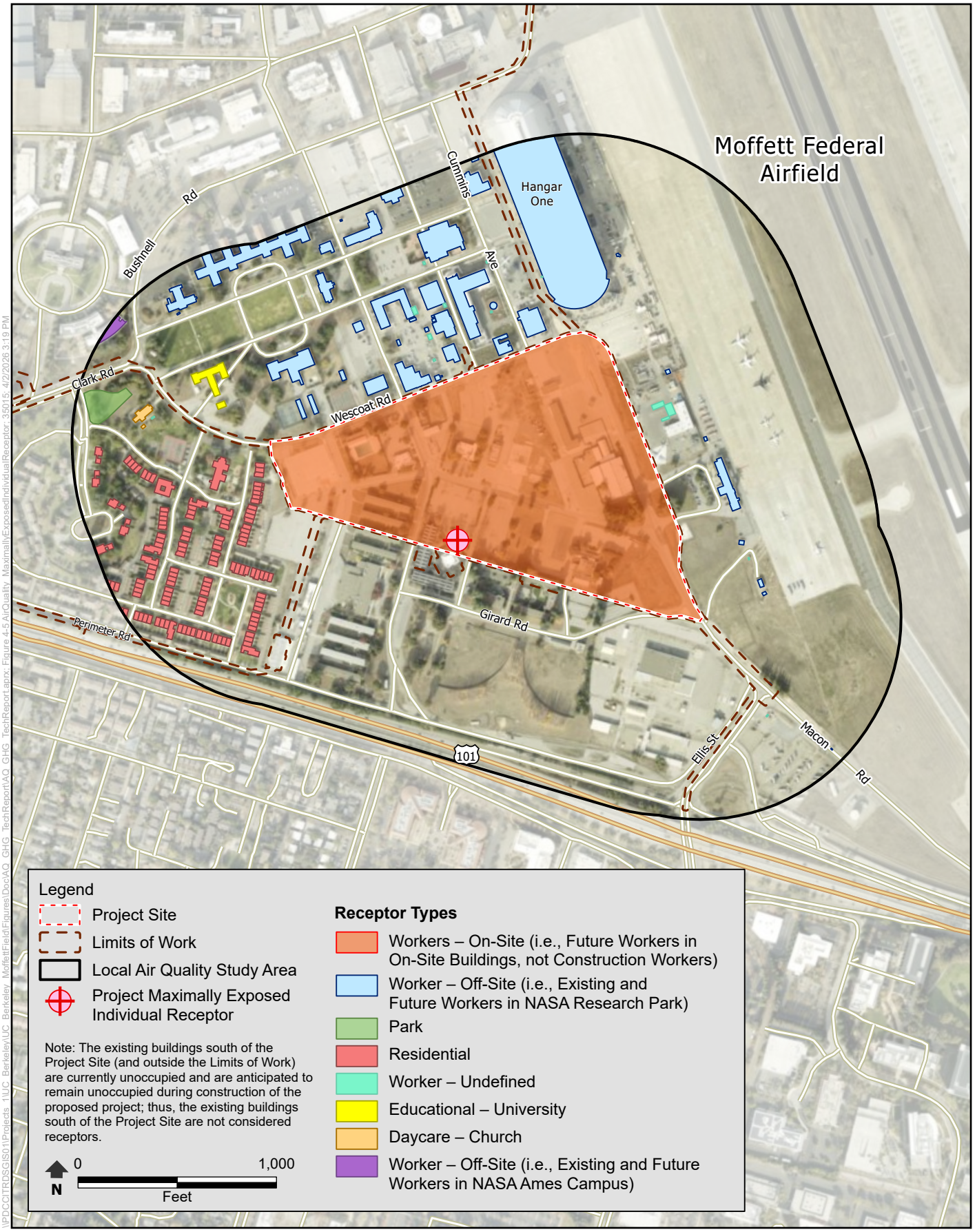

Figure 4-5
Project Maximally Exposed Individual Receptor Included in AERMOD Modeling
Berkeley Space Center at NASA Research Park

4.3.7.3 CEQA Proposed Project with WRF Option (NEPA Build Alternative 1 with WRF Option)

Project-Level Impacts

Impact HRA-1. Expose Sensitive Receptors to Substantial Localized Carbon Monoxide Concentrations

Overall, there would be no difference in the impact conclusion with or without the WRF Option. The WRF Option would not affect vehicle traffic or compliance with the Air District's screening criteria, and thus would not contribute to any new localized CO hot spots.

Impact HRA-2. Expose Sensitive Receptors to Substantial Toxic Air Contaminants and Localized Particulate Matter

The WRF Option would include the same TAC and $PM_{2.5}$ sources as the CEQA Proposed Project, with a small increase in construction emissions during years 2037 and 2038. Operational TAC and $PM_{2.5}$ emissions and health risks associated with the WRF Option would be the same as the CEQA Proposed Project. Table 4-10 presents the maximum unmitigated and mitigated health risks for the WRF Option for off-site and on-site receptors under the five scenarios above under *Health Risk Assessment Modeling.* The mitigated analysis accounts for anticipated reductions achieved by Mitigation Measures AQ-1, AQ-3, and TRAN-1 (Mitigation Measures AQ-2, HRA-1, HRA-2, HAZ-1, and GHG-1 are not quantified or not fully quantified for the reasons discussed in Section 4.3.7.2). Table 4-11 presents the maximum $PM_{2.5}$ concentrations for on-site receptors during Scenarios 2 through 4 with implementation of project mitigation and MERV 13 air filters.

As shown in Table 4-10, the WRF Option would reuslt in the same health risk findings as the CEQA Proposed Project (see Table 4-7). Mitigation Measures AQ-1 through AQ-3, HAZ-1, HRA-1, HRA-2, GHG-1, and TRAN-1 would reduce receptor exposure to project emissions, but even with these measures, $PM_{2.5}$ concentrations would still exceed the Air District's threshold and no further mitigation is available. MERV-13 air filters would further reduce risks, and while potential benefits can be quantified and are shown in Table 4-11, their actual efficacy may differ depending on proper use and receptor actions (e.g., opening of windows). Thus, the results presented in Table 4-11 are given for informational purposes only.

Table 4-10. Estimated Project-Level Health Risk Results from Modeled Scenarios for the CEQA Proposed Project with WRF Option

Receptor Type	Cancer Risk (cases per million) (unmitigated/mitigated) [f]	Non-Cancer Chronic Risk (unmitigated/mitigated) [f]	Non-Cancer Acute Risk [f]	Annual $PM_{2.5}$ Concentrations (μg/m³) (unmitigated/mitigated) [f]
Scenario 1 – Exposure Starting at Beginning of Construction Phase 1 [a]				
MEIR – existing off-site	12.7/3.1	0.05/0.01	0.01	0.35/0.17
MEIR - on-site	NA	NA	NA	NA
Significance Threshold	10.0	1.0	1.0	0.3
Exceeds Threshold?	Yes/No	No	No	Yes/No
Scenario 2 – Exposure Starting at Beginning of Construction Phase 2 [b]				
MEIR – existing off-site	13.9/4.1	0.05/0.01	0.01	0.35/0.17
MEIR - on-site	15.2/5.6	0.11/0.03	0.07	1.02/0.43
Significance Threshold	10.0	1.0	1.0	0.3
Exceeds Threshold?	Yes/No	No	No	Yes
Scenario 3 – Exposure Starting at Beginning of Construction Phase 3 [c]				
MEIR – existing off-site	9.6/3.4	0.05/0.01	0.01	0.35/0.17
MEIR – on-site	9.7/5.4	0.11/0.03	0.07	1.02/0.43
Significance Threshold	10.0	1.0	1.0	0.3
Exceeds Threshold?	No	No	No	Yes
Scenario 4 – Exposure Starting at Beginning of Construction Phase 4 [d]				
MEIR – existing off-site	30.2/9.9	0.05/0.01	0.01	0.35/0.17
MEIR – on-site	22.6/9.8	0.11/0.03	0.07	1.02/0.43
Significance Threshold	10.0	1.0	1.0	0.3
Exceeds Threshold?	Yes/No	No	No	Yes
Scenario 5 – Exposure to Project Buildout Operations [e]				
MEIR – existing off-site	2.3/2.3	<0.01/<0.01	<0.01	0.04/0.03
MEIR – on-site	4.8/4.8	<0.01/<0.01	0.07	0.10/0.09
Significance Threshold	10.0	1.0	1.0	0.3
Exceeds Threshold?	No	No	No	No

Source: Appendix C

Note: Exceedances of thresholds are indicated with underlined text. As discussed in Section 4.3.5, *Health Risk Assessment Modeling*, the health risk assessment modeling accounts for mobile source emissions of PM2.5 that have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations.

MEIR = Maximally Exposed Individual Receptor; $\mu g/m^3$ = micrograms per cubic meter; $PM_{2.5}$ = particulate matter with an aerodynamic diameter of 2.5 or less.

[a] For Scenario 1, the evaluation of cancer risk was modeled for an exposure duration with 13.5 years of construction and 17 years of operations for an off-site resident. For an off-site worker, the evaluation of cancer risk was modeled for an exposure duration with 13.5 years of construction and 12 years for operations.

[b] For Scenario 2, the evaluation of cancer risk was modeled for an exposure duration with 9.5 years of construction and 21 years of operations for an off-site resident. For off-site and on-site workers, the evaluation of cancer risk was modeled for an exposure duration with 9.5 years and 9.0 years of construction, respectively, and 16 years for operations.

[c] For Scenario 3, the evaluation of cancer risk was modeled for an exposure duration with 6.5 years of construction and 24 years of operations for an off-site resident. For off-site and on-site workers, the evaluation of cancer risk was modeled for an exposure duration with 6.5 years and 6.0 years of construction, respectively, and 19 years for operations.

[d] For Scenario 4, the evaluation of cancer risk was modeled for an exposure duration with 3.5 years of construction and 27 years of operations for an off-site resident. For off-site and on-site workers, the evaluation of cancer risk was modeled for an exposure duration with 3.5 years and 3.0 years of construction, respectively, and 22 years for operations.

[e] For Scenario 5, the evaluation of cancer risk was modeled for an exposure duration with 30 years of operations for off-site and on-site residents. For off-site and on-site workers, the evaluation of cancer risk was modeled for an exposure duration with 25 years for operations.

[f] Construction plus operational emissions contributions to cancer risk, hazard indices, and annual $PM_{2.5}$ concentrations are shown for Scenarios 1 through 4. Operational-only emissions contributions to cancer risk, hazard indices, and annual $PM_{2.5}$ concentrations are shown for Scenario 5.

Table 4-11. Estimated Project-Level $PM_{2.5}$ Concentration Results from Modeled Scenarios for the CEQA Proposed Project with WRF Option with Mitigation and MERV 13 Air Filters

Receptor Type	Annual $PM_{2.5}$ Concentrations (μg/m³)[a]
Scenario 2—Exposure Starting at Beginning of Construction Phase 2	
MEIR, on-site	0.18
Significance Threshold	0.3
Exceeds Threshold?	No
Scenario 3—Exposure Starting at Beginning of Construction Phase 3	
MEIR, on-site	0.18
Significance Threshold	0.3
Exceeds Threshold?	No
Scenario 4—Exposure Starting at Beginning of Construction Phase 4	
MEIR, on-site	0.18
Significance Threshold	0.3
Exceeds Threshold?	No

Source: Appendix C

Note: Exceedances of thresholds are indicated with bold and underlined text. As discussed in Section 4.3.5, *Health Risk Assessment Modeling*, the health risk assessment modeling accounts for mobile source emissions of PM2.5 that have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations.

MEIR = Maximally Exposed Individual Receptor; μg/m³ = micrograms per cubic meter; $PM_{2.5}$ = particulate matter with an aerodynamic diameter of 2.5 or less.

[a] Construction plus operational emissions contributions to annual $PM_{2.5}$ concentrations are shown for Scenarios 2 through 4.

Mitigation Measure HRA-1. Enhanced Fugitive Dust Control

See above discussion for the CEQA Proposed Project.

Mitigation Measure HRA-2. Promote Safe Work Practices to Limit Emissions Exposure During Construction

See above discussion for the CEQA Proposed Project.

Mitigation Measure AQ-1. Electric Equipment and Emissions Controls for Off-Road Diesel Engines during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*.

Mitigation Measure AQ-2. Zero-Emission On-Road Vehicles during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*.

Mitigation Measure AQ-3. Fugitive Dust Control

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*.

Mitigation Measure GHG-1. Best Management Practices for Construction-Related GHG Emissions

Refer to measure description in Chapter 5, *Greenhouse Gases and Climate Change*, Section 5.3.3, Impacts, under Impact GHG-1.

Mitigation Measure HAZ-1. Implement the Environmental Issues Management Plan

See discussion for the CEQA Proposed Project under Impact CEQA-HAZ-1 in Section 3.9, Haz*ards and Hazardous Materials*, of this joint EIR/EIS.

Mitigation Measure TRAN-1. Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Cumulative Assessment

The sources and methods used to analyze cumulative health risks for the CEQA Proposed Project with the WRF Option are the same as described above in Section 4.3.7.2 for the CEQA Proposed Project. As discussed in Section 4.3.7.2, one receptor location is analyzed in the cumulative HRA—the Project MEIR represents the maximally affected receptor location for cancer risk, non-cancer risk, and annual $PM_{2.5}$ concentrations. Cumulative health risks were determined by adding the total contribution from background sources to the modeled project risks at the location. Adding the highest project result to the total background risk provides a worst-case assessment and ensures cumulative health risks in the study area are not underreported.

The results of the cumulative impact assessment are summarized in Table 4-12. The project contribution includes implementation of AQ-1, AQ-3, and TRAN-1. Mitigation Measures AQ-2, HAZ-1, GHG-1, HRA-1, and HRA-2 are not quantified or not fully quantified for the reasons discussed for the project-level analysis.

Table 4-12. Maximum Cumulative Health Risks for the CEQA Proposed Project with WRF Option

Source	Cancer Risk (per million)	Non-Cancer Chronic Hazard Index	Non-Cancer Acute Hazard Index	Annual $PM_{2.5}$ Concentration ($\mu g/m^3$)
Project MEIR – Maximally Affected Receptor for Cancer, Non-Cancer, and $PM_{2.5}$ Risk [a]				
Background				
Stationary sources [b]	58	0.19	<0.01	**4.36**
Roadway sources [c]	9	0.03	NA	0.25
Total	67	0.22	<0.01	**4.61**
Project				
MEIR [a]	10	0.03	0.07	0.44
Total Cumulative [d]	77	0.25	0.07	**5.04**
Significance Threshold	100	10	10	0.8
Exceeds threshold?	No	No	No	Yes

Source: Appendix C

$PM_{2.5}$ = particulate matter with a diameter of 2.5 microns or less; $\mu g/m^3$ = micrograms per cubic meter

Note: Exceedances of thresholds are indicated with bold and underlined text. As discussed in Section 4.3.5, *Health Risk Assessment Modeling*, the project-level health risk assessment modeling accounts for mobile source emissions of PM2.5 that have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations.

[a] Represents the receptor with the highest project cancer, non-cancer, and $PM_{2.5}$ risk (future on-site, Scenarios 2 through 4) (see Table 4-10). The receptor is located at UTM x, y: 583597.32, 4140578.25.

[b] Contribution from Air District permitted facilities (Tables 4-2) and existing and planned sources on the NASA Ames property (Tables 4-3). Note that the background risks presented in this table may not match what is presented in Table 4-4. This is because Table 4-4 presents the background risk at the facility fenceline, whereas this table presents the combine background risk at the modeled receptor location (A). Air District Facility number 550-REM contributes the majority of Stationary Source cancer risk (30 per one million) and $PM_{2.5}$ concentration (4.4 ug/m^3) at the Project MEIR. 550-REM represents the combined emissions of 37 generators rather than a single unit, so the modeled health risks will naturally appear higher than the individually located units. The higher impact is therefore a modeling artifact of the aggregation rather than an indication that any single generator within that group has unusually high emissions or parameters.

[c] Obtained from the Air District's (2022) mobile source risk databases.

[d] Total background sources plus project. Values may not add due to rounding.

As shown in Table 4-12, the WRF Option would result in the same cumulative health risk findings as the CEQA Proposed Project (see Table 4-9). Cumulative $PM_{2.5}$ concentration at the maximally affected receptor location would exceed the Air District's threshold. Applying a MERV-13 removal efficiency of 60 percent would reduce the maximum annual $PM_{2.5}$ concentration at the Project MEIR to 2.02 µg/m^3. Thus, with consideration of MERV-13 filters, which are required by CALGreen, cumulative $PM_{2.5}$ concentrations at the maximally affected receptor location would remain cumulatively considerable.

4.3.7.4 CEQA Proposed Project with CUP Option (NEPA Build Alternative 1 with CUP Option)

Project-Level Impacts

Impact HRA-1. Expose Sensitive Receptors to Substantial Localized Carbon Monoxide Concentrations

Overall, there would be no difference in the impact conclusion with or without the CUP Option. The CUP Option would not affect vehicle traffic or compliance with the Air District's screening criteria, and thus would not contribute to any new localized CO hot spots.

Impact HRA-2. Expose Sensitive Receptors to Substantial Toxic Air Contaminants and Localized Particulate Matter

The CUP Option would include the same types of TAC and $PM_{2.5}$ sources as the CEQA Proposed Project, with a small increase in construction emissions during years 2034 and 2035. Operational $PM_{2.5}$ and TAC emissions associated with the CUP Option would increase emissions by one additional generator but also decrease emissions by having four less cooling towers relative to the the CEQA Proposed Project. Operational $PM_{2.5}$ emissions associated with the CUP would be the same as the CEQA Proposed Project but because of the change in source location the maximum $PM_{2.5}$ concentrations is slightly less.

Table 4-13 presents the maximum unmitigated and mitigated health risks for the CUP Option for off-site and on-site receptors under the five scenarios above under *Health Risk Assessment Modeling.* The mitigated analysis accounts for anticipated reductions achieved by Mitigation Measures AQ-1, AQ-3, and TRAN-1 (Mitigation Measures AQ-2, HRA-1, HRA-2, HAZ-1, and GHG-1 are not quantified or not fully quantified for the reasons discussed in Section 4.3.7.2). Table 4-14 presents the

maximum $PM_{2.5}$ concentrations for on-site receptors during Scenarios 2 through 4 with implementation of project mitigation and MERV 13 air filters.

As shown in Table 4-13, the CUP Option would reuslt in the same health risk findings as the CEQA Proposed Project (see Table 4-7). Mitigation Measures AQ-1 through AQ-3, HAZ-1, HRA-1, HRA-2, GHG-1, and TRAN-1 would reduce receptor exposure to project emissions, but even with these measures, $PM_{2.5}$ concentrations would still exceed the Air District's thresholds and no further mitigation is available. MERV-13 air filters would further reduce risks, and while potential benefits can be quantified and are shown in Table 4-14, their actual efficacy may differ depending on proper use and receptor actions (e.g., opening of windows). Thus, the results presented in Table 4-14 are given for informational purposes only.

Table 4-13. Estimated Project-Level Health Risk Results from Modeled Scenarios for the CEQA Proposed Project with CUP Option

Receptor Type	Cancer Risk (cases per million) (unmitigated/mitigated) [f]	Non-Cancer Chronic Risk (unmitigated/mitigated) [f]	Non-Cancer Acute Risk [f]	Annual $PM_{2.5}$ Concentrations (µg/m^3) (unmitigated/mitigated) [f]
Scenario 1 – Exposure Starting at Beginning of Construction Phase 1 [a]				
MEIR – existing off-site	12.8/3.1	0.05/0.01	0.01	0.34/0.12
MEIR - on-site	NA	NA	NA	NA
Significance Threshold	10.0	1.0	1.0	0.3
Exceeds Threshold?	Yes/No	No	No	Yes/No
Scenario 2 – Exposure Starting at Beginning of Construction Phase 2 [b]				
MEIR – existing off-site	13.6/3.7	0.05/0.01	0.01	0.34/0.12
MEIR - on-site	15.4/5.6	0.11/0.03	0.07	0.91/0.37
Significance Threshold	10.0	1.0	1.0	0.3
Exceeds Threshold?	Yes/No	No	No	Yes
Scenario 3 – Exposure Starting at Beginning of Construction Phase 3 [c]				
MEIR – existing off-site	9.4/3.1	0.05/0.01	0.01	0.34/0.12
MEIR – on-site	9.5/5.2	0.11/0.03	0.07	0.91/0.37
Significance Threshold	10.0	1.0	1.0	0.3
Exceeds Threshold?	No	No	No	Yes
Scenario 4 – Exposure Starting at Beginning of Construction Phase 4 [d]				
MEIR – existing off-site	28.9/8.7	0.05/0.01	0.01	0.34/0.12
MEIR – on-site	21.9/9.0	0.11/0.03	0.07	0.91/0.37
Significance Threshold	10.0	1.0	1.0	0.3
Exceeds Threshold?	Yes/No	No	No	Yes
Scenario 5 – Exposure to Project Buildout Operations [e]				
MEIR – existing off-site	2.3/2.3	<0.01/<0.01	0.01	0.03/0.03
MEIR – on-site	4.8/4.8	<0.01/<0.01	0.07	0.04/0.04
Significance Threshold	10.0	1.0	1.0	0.3
Exceeds Threshold?	No	No	No	No

Source: Appendix C

Note: Exceedances of thresholds are indicated with underlined text. As discussed in Section 4.3.5, *Health Risk Assessment Modeling*, the health risk assessment modeling accounts for mobile source emissions of PM2.5 that have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations.

MEIR = Maximally Exposed Individual Receptor; $\mu g/m^3$ = micrograms per cubic meter; $PM_{2.5}$ = particulate matter with an aerodynamic diameter of 2.5 or less.

[a] For Scenario 1, the evaluation of cancer risk was modeled for an exposure duration with 13.5 years of construction and 17 years of operations for an off-site resident. For an off-site worker, the evaluation of cancer risk was modeled for an exposure duration with 13.5 years of construction and 12 years for operations.

[b] For Scenario 2, the evaluation of cancer risk was modeled for an exposure duration with 9.5 years of construction and 21 years of operations for an off-site resident. For off-site and on-site workers, the evaluation of cancer risk was modeled for an exposure duration with 9.5 years and 9.0 years of construction, respectively, and 16 years for operations.

[c] For Scenario 3, the evaluation of cancer risk was modeled for an exposure duration with 6.5 years of construction and 24 years of operations for an off-site resident. For off-site and on-site workers, the evaluation of cancer risk was modeled for an exposure duration with 6.5 years and 6.0 years of construction, respectively, and 19 years for operations.

[d] For Scenario 4, the evaluation of cancer risk was modeled for an exposure duration with 3.5 years of construction and 27 years of operations for an off-site resident. For off-site and on-site workers, the evaluation of cancer risk was modeled for an exposure duration with 3.5 years and 3.0 years of construction, respectively, and 22 years for operations.

[e] For Scenario 5, the evaluation of cancer risk was modeled for an exposure duration with 30 years of operations for off-site and on-site residents. For off-site and on-site workers, the evaluation of cancer risk was modeled for an exposure duration with 25 years for operations.

[f] Construction plus operational emissions contributions to cancer risk, hazard indices, and annual $PM_{2.5}$ concentrations are shown for Scenarios 1 through 4. Operational-only emissions contributions to cancer risk, hazard indices, and annual $PM_{2.5}$ concentrations are shown for Scenario 5.

Table 4-14. Estimated Project-Level $PM_{2.5}$ Concentration Results from Modeled Scenarios for the CEQA Proposed Project with CUP Option with Mitigation and MERV 13 Air Filters

Receptor Type	Annual $PM_{2.5}$ Concentrations ($\mu g/m^3$)[a]
Scenario 2—Exposure Starting at Beginning of Construction Phase 2	
MEIR, on-site	0.15
Significance Threshold	0.3
Exceeds Threshold?	No
Scenario 3—Exposure Starting at Beginning of Construction Phase 3	
MEIR, on-site	0.15
Significance Threshold	0.3
Exceeds Threshold?	No
Scenario 4—Exposure Starting at Beginning of Construction Phase 4	
MEIR, on-site	0.15
Significance Threshold	0.3
Exceeds Threshold?	No

Source: Appendix C

Note: Exceedances of thresholds are indicated with bold and underlined text. As discussed in Section 4.3.5, *Health Risk Assessment Modeling*, the health risk assessment modeling accounts for mobile source emissions of PM2.5 that have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations.

MEIR = Maximally Exposed Individual Receptor; $\mu g/m^3$ = micrograms per cubic meter; $PM_{2.5}$ = particulate matter with an aerodynamic diameter of 2.5 or less.

[a] Construction plus operational emissions contributions to cancer risk and annual $PM_{2.5}$ concentrations are shown for Scenarios 2 through 4.

Mitigation Measure HRA-1. Enhanced Fugitive Dust Control

See above discussion for the CEQA Proposed Project.

Mitigation Measure HRA-2. Promote Safe Work Practices to Limit Emissions Exposure During Construction

See above discussion for the CEQA Proposed Project.

Mitigation Measure AQ-1. Electric Equipment and Emissions Controls for Off-Road Diesel Engines during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*.

Mitigation Measure AQ-2. Zero-Emission On-Road Vehicles during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*.

Mitigation Measure AQ-3. Fugitive Dust Control

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*.

Mitigation Measure GHG-1. Best Management Practices for Construction-Related GHG Emissions

Refer to measure description in Chapter 5, *Greenhouse Gases and Climate Change*, Section 5.3.3, *Impacts*, under Impact GHG-1.

Mitigation Measure HAZ-1. Implement the Environmental Issues Management Plan

See discussion for the CEQA Proposed Project under Impact CEQA-HAZ-1 in Section 3.9, Haz*ards and Hazardous Materials*, of this joint EIR/EIS.

Mitigation Measure TRAN-1. Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Cumulative Assessment

The sources and methods used to analyze cumulative health risks for the CEQA Proposed Project with the CUP Option are the same as described above in Section 4.3.7.2 for the CEQA Proposed Project. As discussed in Section 4.3.7.2, one receptor location is analyzed in the cumulative HRA—the Project MEIR represents the maximally affected receptor location for cancer risk, non-cancer risk, and annual $PM_{2.5}$ concentrations. Cumulative health risks were determined by adding the total contribution from background sources to the modeled project risks at the location. Adding the highest project result to the total background risk provides a worst-case assessment and ensures cumulative health risks in the study area are not underreported.

The results of the cumulative impact assessment are summarized in Table 4-15. The project contribution includes implementation of AQ-1, AQ-3, and TRAN-1. Mitigation Measures AQ-2, HAZ-1, GHG-1, HRA-1, and HRA-2 are not quantified or not fully quantified for the reasons discussed for the project-level analysis.

Table 4-15. Maximum Cumulative Health Risks for the CEQA Proposed Project with CUP Option

Source	Cancer Risk (per million)	Non-Cancer Chronic Hazard Index	Non-Cancer Acute Hazard Index	Annual $PM_{2.5}$ Concentration (μg/m³)
Project MEIR – Maximally Affected Receptor for Cancer, Non-Cancer, and $PM_{2.5}$ Risk [a]				
Background				
Stationary sources [b]	58	0.19	<0.01	**4.36**
Roadway sources [c]	9	0.03	NA	0.25
Total	67	0.22	<0.01	**4.61**
Project				
MEIR [a]	9	0.03	0.07	0.37
Total Cumulative [d]	76	0.25	0.07	**4.98**
Significance Threshold	100	10	10	0.8
Exceeds threshold?	No	No	No	Yes

Source: Appendix C

$PM_{2.5}$ = particulate matter with a diameter of 2.5 microns or less; μg/m³ = micrograms per cubic meter

Note: Exceedances of thresholds are indicated with bold and underlined text. As discussed in Section 4.3.5, *Health Risk Assessment Modeling*, the project-level health risk assessment modeling accounts for mobile source emissions of PM2.5 that have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations.

[a] Represents the receptor with the highest project cancer, non-cancer, and $PM_{2.5}$ risk (future on-site, Scenarios 2 through 4) (see Table 4-13). The receptor is located at UTM x, y: 583597.32, 4140578.25.

[b] Contribution from Air District permitted facilities (Tables 4-2) and existing and planned sources on the NASA Ames property (Tables 4-3). Note that the background risks presented in this table may not match what is presented in Table 4-4. This is because Table 4-4 presents the background risk at the facility fenceline, whereas this table presents the combine background risk at the modeled receptor location (A). Air District Facility number 550-REM contributes the majority of Stationary Source cancer risk (30 per one million) and $PM_{2.5}$ concentration (4.4 ug/m^3) at the Project MEIR. 550-REM represents the combined emissions of 37 generators rather than a single unit, so the modeled health risks will naturally appear higher than the individually located units. The higher impact is therefore a modeling artifact of the aggregation rather than an indication that any single generator within that group has unusually high emissions or parameters.

[c] Obtained from the Air District's (2022) mobile source risk databases.

[d] Total background sources plus project. Values may not add due to rounding.

As shown in Table 4-15, the CUP Option would result in the same cumulative health risk findings as the CEQA Proposed Project (see Table 4-9). Cumulative $PM_{2.5}$ concentration at the maximally affected receptor location would exceed the Air District's threshold. Applying a MERV-13 removal efficiency of 60 percent would reduce the maximum annual $PM_{2.5}$ concentration at the Project MEIR to 1.99 µg/m^3. Thus, with consideration of MERV-13 filters, which are required by CALGreen, cumulative $PM_{2.5}$ concentration at the maximally affected receptor location would remain cumulatively considerable.

4.3.7.5 CEQA Proposed Project No Student/Faculty Housing Variant (NEPA Build Alternative 1, No Student/Faculty Housing Sub-Alternative)

Project-Level Impacts

Impact HRA-1. Expose Sensitive Receptors to Substantial Localized Carbon Monoxide Concentrations

Overall, there would be no difference in the impact conclusion between the CEQA Proposed Project and the CEQA Proposed Project with the Variant. While eliminating residential land uses under the Variant would increase VMT by about 2 percent compared to the CEQA Proposed Project, the Variant would meet the Air District's screening criteria. Thus, it would not contribute to any new localized CO hot spots.

Impact HRA-2. Expose Sensitive Receptors to Substantial Toxic Air Contaminants and Localized Particulate Matter

The CEQA Proposed Project with the Variant would include the same TAC and $PM_{2.5}$ sources as the CEQA Proposed Project, with no appreciable difference in emissions during construction. Operational TAC and $PM_{2.5}$ emissions associated with the Variant are similar but because of changes in the emissions location the maximum concentration or risk is about the same as the CEQA Proposed Project.

Table 4-16 presents the maximum unmitigated and mitigated health risks for the CEQA Proposed Project with the Variant for off-site and on-site receptors under the five scenarios above under *Health Risk Assessment Modeling.* The mitigated analysis accounts for anticipated reductions achieved by Mitigation Measures AQ-1, AQ-3, and TRAN-1 (Mitigation Measures AQ-2, HRA-1, HRA-2, HAZ-1, and GHG-1 are not quantified or not fully quantified for the reasons discussed in Section 4.3.7.2). Table 4-17 presents the maximum $PM_{2.5}$ concentrations for on-site receptors during Scenarios 2 through 4 with implementation of project mitigation and MERV 13 air filters.

As shown in Table 4-16, there would be no difference in the impact conclusion between the CEQA Proposed Project (see Table 4-7) and the CEQA Proposed Project with the Variant. Mitigation Measures AQ-1 through AQ-3, HAZ-1, HRA-1, HRA-2, GHG-1, and TRAN-1 would reduce receptor exposure to project emissions, but even with these measures, $PM_{2.5}$ concentrations would still exceed the Air District's threshold and no further mitigation is available. MERV-13 air filters would

further reduce risks, and while potential benefits can be quantified and are shown in Table 4-17, their actual efficacy may differ depending on proper use and receptor actions (e.g., opening of windows). Thus, the results presented in Table 4-17 are given for informational purposes only.

Table 4-16. Estimated Project-Level Health Risk Results from Modeled Scenarios for the CEQA Proposed Project with Variant

Receptor Type	Cancer Risk (cases per million) (unmitigated/mitigated) [f]	Non-Cancer Chronic Risk (unmitigated/mitigated) [f]	Non-Cancer Acute Risk [f]	Annual $PM_{2.5}$ Concentrations (µg/m³) (unmitigated/mitigated) [f]
Scenario 1 – Exposure Starting at Beginning of Construction Phase 1 [a]				
MEIR – existing off-site	12.7/3.1	0.05/0.01	0.01	0.35/0.13
MEIR - on-site	NA	NA	NA	NA
Significance Threshold	10.0	1.0	1.0	0.3
Exceeds Threshold?	Yes/No	No	No	Yes/No
Scenario 2 – Exposure Starting at Beginning of Construction Phase 2 [b]				
MEIR – existing off-site	13.6/3.7	0.05/0.01	0.01	0.35/0.13
MEIR - on-site	15.2/5.5	0.11/0.03	0.07	0.93/0.39
Significance Threshold	10.0	1.0	1.0	0.3
Exceeds Threshold?	Yes/No	No	No	Yes
Scenario 3 – Exposure Starting at Beginning of Construction Phase 3 [c]				
MEIR – existing off-site	9.3/3.1	0.05/0.01	0.01	0.35/0.13
MEIR – on-site	9.5/5.2	0.11/0.03	0.07	0.93/0.39
Significance Threshold	10.0	1.0	1.0	0.3
Exceeds Threshold?	No	No	No	Yes
Scenario 4 – Exposure Starting at Beginning of Construction Phase 4 [d]				
MEIR, existing off-site	28.9/8.7	0.05/0.01	0.01	0.35/0.13
MEIR – on-site	21.9/9.0	0.11/0.03	0.07	0.93/0.39
Significance Threshold	10.0	1.0	1.0	0.3
Exceeds Threshold?	Yes/No	No	No	Yes
Scenario 5 – Exposure to Project Buildout Operations [e]				
MEIR – existing off-site	2.3/2.3	<0.01/<0.01	0.01	0.04/0.04
MEIR – on-site	4.8/4.8	<0.01/<0.01	0.07	0.06/0.06
Significance Threshold	10.0	1.0	1.0	0.3
Exceeds Threshold?	No	No	No	No

Source: Appendix C

Note: Exceedances of thresholds are indicated with underlined text. As discussed in Section 4.3.5, *Health Risk Assessment Modeling*, the health risk assessment modeling accounts for mobile source emissions of PM2.5 that have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations.

MEIR = Maximally Exposed Individual Receptor; $\mu g/m^3$ = micrograms per cubic meter; $PM_{2.5}$ = particulate matter with an aerodynamic diameter of 2.5 or less.

[a] For Scenario 1, the evaluation of cancer risk was modeled for an exposure duration with 13.5 years of construction and 17 years of operations for an off-site resident. For an off-site worker, the evaluation of cancer risk was modeled for an exposure duration with 13.5 years of construction and 12 years for operations.

[b] For Scenario 2, the evaluation of cancer risk was modeled for an exposure duration with 9.5 years of construction and 21 years of operations for an off-site resident. For off-site and on-site workers, the evaluation of cancer risk was modeled for an exposure duration with 9.5 years and 9.0 years of construction, respectively, and 16 years for operations.

[c] For Scenario 3, the evaluation of cancer risk was modeled for an exposure duration with 6.5 years of construction and 24 years of operations for an off-site resident. For off-site and on-site workers, the evaluation of cancer risk was modeled for an exposure duration with 6.5 years and 6.0 years of construction, respectively, and 19 years for operations.

[d] For Scenario 4, the evaluation of cancer risk was modeled for an exposure duration with 3.5 years of construction and 27 years of operations for an off-site resident. For off-site and on-site workers, the evaluation of cancer risk was modeled for an exposure duration with 3.5 years and 3.0 years of construction, respectively, and 22 years for operations.

[e] For Scenario 5, the evaluation of cancer risk was modeled for an exposure duration with 30 years of operations for off-site and on-site residents. For off-site and on-site workers, the evaluation of cancer risk was modeled for an exposure duration with 25 years for operations.

[f] Construction plus operational emissions contributions to cancer risk, hazard indices, and annual $PM_{2.5}$ concentrations are shown for Scenarios 1 through 4. Operational-only emissions contributions to cancer risk, hazard indices, and annual $PM_{2.5}$ concentrations are shown for Scenario 5.

Table 4-17. Estimated Project-Level $PM_{2.5}$ Concentration Results from Modeled Scenarios for the CEQA Proposed Project with Variant with Mitigation and MERV 13 Air Filters

Receptor Type	Annual $PM_{2.5}$ Concentrations ($\mu g/m^3$)[a]
Scenario 2—Exposure Starting at Beginning of Construction Phase 2	
MEIR, on-site	0.15
Significance Threshold	0.3
Exceeds Threshold?	No
Scenario 3—Exposure Starting at Beginning of Construction Phase 3	
MEIR, on-site	0.15
Significance Threshold	0.3
Exceeds Threshold?	No
Scenario 4—Exposure Starting at Beginning of Construction Phase 4	
MEIR, on-site	0.15
Significance Threshold	0.3
Exceeds Threshold?	No

Source: Appendix C

Note: Exceedances of thresholds are indicated with bold and underlined text. As discussed in Section 4.3.5, *Health Risk Assessment Modeling*, the health risk assessment modeling accounts for mobile source emissions of PM2.5 that have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations.

MEIR = Maximally Exposed Individual Receptor; $\mu g/m^3$ = micrograms per cubic meter; $PM_{2.5}$ = particulate matter with an aerodynamic diameter of 2.5 or less.

[a] Construction plus operational emissions contributions to cancer risk and annual $PM_{2.5}$ concentrations are shown for Scenarios 1 through 4.

Mitigation Measure HRA-1. Enhanced Fugitive Dust Control

See above discussion for the CEQA Proposed Project.

Mitigation Measure HRA-2. Promote Safe Work Practices to Limit Emissions Exposure During Construction

See above discussion for the CEQA Proposed Project.

Mitigation Measure AQ-1. Electric Equipment and Emissions Controls for Off-Road Diesel Engines during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*.

Mitigation Measure AQ-2. Zero-Emission On-Road Vehicles during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*.

Mitigation Measure AQ-3. Fugitive Dust Control

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*.

Mitigation Measure GHG-1. Best Management Practices for Construction-Related GHG Emissions

Refer to measure description in Chapter 5, *Greenhouse Gases and Climate Change*, Section 5.3.3, *Impacts*, under Impact GHG-1.

Mitigation Measure HAZ-1. Implement the Environmental Issues Management Plan

See discussion for the CEQA Proposed Project under Impact CEQA-HAZ-1 in Section 3.9, Haz*ards and Hazardous Materials*, of this joint EIR/EIS.

Mitigation Measure TRAN-1. Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Cumulative Assessment

The sources and methods used to analyze cumulative health risks for the CEQA Proposed Project with the Variant are the same as described above in Section 4.3.7.2 for the CEQA Proposed Project. As discussed in Section 4.3.7.2, one receptor location is analyzed in the cumulative HRA—the Project MEIR represents the maximally affected receptor location for cancer risk, non-cancer risk, and annual $PM_{2.5}$ concentrations. Cumulative health risks were determined by adding the total contribution from background sources to the modeled project risks at the location. Adding the highest project result to the total background risk provides a worst-case assessment and ensures cumulative health risks in the study area are not underreported.

The results of the cumulative impact assessment are summarized in Table 4-18. The project contribution includes implementation of AQ-1, AQ-3, and TRAN-1. Mitigation Measures AQ-2, HAZ-1, GHG-1, HRA-1, and HRA-2 are not quantified or not fully quantified for the reasons discussed for the project-level analysis.

Table 4-18. Maximum Cumulative Health Risks for the CEQA Proposed Project with the Variant

Source	Cancer Risk (per million)	Non-Cancer Chronic Hazard Index	Non-Cancer Acute Hazard Index	Annual $PM_{2.5}$ Concentration ($\mu g/m^3$)
Project MEIR – Maximally Affected Receptor for Cancer, Non-Cancer, and $PM_{2.5}$ Risk [a]				
Background				
Stationary sources [b]	58	0.19	<0.01	**4.36**
Roadway sources [c]	9	0.03	NA	0.25
Total	67	0.22	<0.01	**4.61**
Project				
MEIR [a]	9	0.03	0.07	0.39
Total Cumulative [d]	76	0.25	0.07	**5.00**
Significance Threshold	100	10	10	0.8
Exceeds threshold?	No	No	No	Yes

Source: Appendix C

$PM_{2.5}$ = particulate matter with a diameter of 2.5 microns or less; $\mu g/m^3$ = micrograms per cubic meter

Note: Exceedances of thresholds are indicated with bold and underlined text. As discussed in Section 4.3.5, *Health Risk Assessment Modeling*, the project-level health risk assessment modeling accounts for mobile source emissions of PM2.5 that have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations.

[a] Represents the receptor with the highest project cancer, non-cancer, and $PM_{2.5}$ risk (future on-site, Scenarios 2 through 4) (see Table 4-16). The receptor is located at UTM x, y: 583597.32, 4140578.25.

[b] Contribution from Air District permitted facilities (Tables 4-2) and existing and planned sources on the NASA Ames property (Tables 4-3). Note that the background risks presented in this table may not match what is presented in Table 4-4. This is because Table 4-4 presents the background risk at the facility fenceline, whereas this table presents the combined background risk at the modeled receptor location (A). Air District Facility number 550-REM contributes the majority of Stationary Source cancer risk (30 per one million) and $PM_{2.5}$ concentration (4.4 ug/m^3) at the Project MEIR. 550-REM represents the combined emissions of 37 generators rather than a single unit, so the modeled health risks will naturally appear higher than the individually located units. The higher impact is therefore a modeling artifact of the aggregation rather than an indication that any single generator within that group has unusually high emissions or parameters.

[c] Obtained from the Air District's (2022) mobile source risk databases.

[d] Total background sources plus project. Values may not add due to rounding.

As shown in Table 4-18, the CEQA Proposed Project with the Variant would result in the same cumulative health risk findings as the CEQA Proposed Project (see Table 4-9). Cumulative $PM_{2.5}$ concentration at the maximally affected receptor location would exceed the Air District's threshold. Applying a MERV-13 removal efficiency of 60 percent would reduce the maximum annual $PM_{2.5}$ concentration at the Project MEIR to 2.00 µg/m^3. Thus, with consideration of MERV-13 filters, which are required by CALGreen, cumulative $PM_{2.5}$ concentration at the maximally affected receptor location would remain cumulatively considerable.

4.3.7.6 CEQA Reduced Density Alternative (NEPA Build Alternative 2)

Project-Level Impacts

Impact HRA-1. Expose Sensitive Receptors to Substantial Localized Carbon Monoxide Concentrations

Overall, there would be no difference in the impact conclusion between the CEQA Proposed Project and the CEQA Reduced Density Alternative. Vehicle traffic and associated mobile-source emissions would be lower under the CEQA Reduced Density Alternative. The CEQA Reduced Density Alternative would meet the Air District's screening criteria and thus would not contribute to any new localized CO hot spots.

Impact HRA-2. Expose Sensitive Receptors to Substantial Toxic Air Contaminants and Localized Particulate Matter

The CEQA Reduced Density Alternative would include the same TAC and $PM_{2.5}$ sources as the CEQA Proposed Project, with a small decrease in construction emissions during each phase of construction. Operational TAC and $PM_{2.5}$ emissions and health risks associated with the CEQA Reduced Density Alternative are slightly lower due to reduced truck deliveries under the CEQA Reduced Density Alternative. Table 4-19 presents the maximum unmitigated and mitigated health risks for the CEQA Reduced Density Alternative for off-site and on-site receptors under the five scenarios above under *Health Risk Assessment Modeling.* The mitigated analysis accounts for anticipated reductions achieved by Mitigation Measures AQ-1, AQ-3, and TRAN-1 (Mitigation Measures AQ-2, HRA-1, HRA-2, HAZ-1, and GHG-1 are not quantified or not fully quantified for the reasons discussed in Section 4.3.7.2). Table 4-20 presents the maximum $PM_{2.5}$ concentrations for on-site receptors during Scenarios 2 through 4 with implementation of project mitigation and MERV 13 air filters.

As shown in Table 4-19, health risks associated with Scenarios 1 through 4 are lower for the CEQA Reduced Density Alternative than for the CEQA Proposed Project (see Table 4-7). Mitigation

Measures AQ-1 through AQ-3, HAZ-1, HRA-1, HRA-2, GHG-1, and TRAN-1 would reduce receptor exposure to cancer risk, but even with these measures, $PM_{2.5}$ concentrations would still exceed the Air District's threshold and no further mitigation is available. MERV-13 air filters would further reduce risks, and while potential benefits can be quantified and are shown in Table 4-20, their actual efficacy may differ depending on proper use and receptor actions (e.g., opening of windows). Thus, the results presented in Table 4-20 are given for informational purposes only.

Table 4-19. Estimated Project-Level Health Risk Results from Modeled Scenarios for the CEQA Reduced Density Alternative

Receptor Type	Cancer Risk (cases per million) (unmitigated/mitigated) [f]	Non-Cancer Chronic Risk (unmitigated/mitigated) [f]	Non-Cancer Acute Risk [f]	Annual $PM_{2.5}$ Concentrations (µg/m³) (unmitigated/mitigated) [f]
Scenario 1 – Exposure Starting at Beginning of Construction Phase 1 [a]				
MEIR, existing off-site	12.4/3.0	0.05/0.01	0.01	0.33/0.11
MEIR – future on-site	NA	NA	NA	NA
Significance Threshold	10.0	1.0	1.0	0.3
Exceeds Threshold?	Yes/No	No	No	Yes
Scenario 2 – Exposure Starting at Beginning of Construction Phase 2 [b]				
MEIR, existing off-site	13.1/3.6	0.05/0.01	0.01	0.33/0.11
MEIR – future on-site	14.9/5.5	0.10/0.03	0.07	0.90/0.36
Significance Threshold	10.0	1.0	1.0	0.3
Exceeds Threshold?	Yes/No	No	No	Yes
Scenario 3 – Exposure Starting at Beginning of Construction Phase 3 [c]				
MEIR, existing off-site	8.9/3.0	0.05/0.01	0.01	0.33/0.11
MEIR – future on-site	9.3/5.2	0.10/0.03	0.07	0.90/0.36
Significance Threshold	10.0	1.0	1.0	0.3
Exceeds Threshold?	No	No	No	Yes
Scenario 4 – Exposure Starting at Beginning of Construction Phase 4 [d]				
MEIR, existing off-site	27.8/8.4	0.05/0.01	0.01	0.33/0.11
MEIR – future on-site	21.2/8.9	0.10/0.03	0.07	0.90/0.36
Significance Threshold	10.0	1.0	1.0	0.3
Exceeds Threshold?	Yes/No	No	No	Yes
Scenario 5 – Exposure to Project Buildout Operations [e]				
MEIR, existing off-site	1.7/1.7	<0.01/<0.01	0.01	0.02/0.02
MEIR – future on-site	4.8/4.8	<0.01/<0.01	0.07	0.03/0.03
Significance Threshold	10.0	1.0	1.0	0.3
Exceeds Threshold?	No	No	No	No

Source: Appendix C

Note: Exceedances of thresholds are indicated with underlined text. As discussed in Section 4.3.5, *Health Risk Assessment Modeling*, the health risk assessment modeling accounts for mobile source emissions of PM2.5 that have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations.

MEIR = Maximally Exposed Individual Receptor; $\mu g/m^3$ = micrograms per cubic meter; $PM_{2.5}$ = particulate matter with an aerodynamic diameter of 2.5 or less.

[a] For Scenario 1, the evaluation of cancer risk was modeled for an exposure duration with 13.5 years of construction and 17 years of operations for an off-site resident. For an off-site worker, the evaluation of cancer risk was modeled for an exposure duration with 13.5 years of construction and 12 years for operations.

[b] For Scenario 2, the evaluation of cancer risk was modeled for an exposure duration with 9.5 years of construction and 21 years of operations for an off-site resident. For off-site and on-site workers, the evaluation of cancer risk was modeled for an exposure duration with 9.5 years and 9.0 years of construction, respectively, and 16 years for operations.

[c] For Scenario 3, the evaluation of cancer risk was modeled for an exposure duration with 6.5 years of construction and 24 years of operations for an off-site resident. For off-site and on-site workers, the evaluation of cancer risk was modeled for an exposure duration with 6.5 years and 6.0 years of construction, respectively, and 19 years for operations.

[d] For Scenario 4, the evaluation of cancer risk was modeled for an exposure duration with 3.5 years of construction and 27 years of operations for an off-site resident. For off-site and on-site workers, the evaluation of cancer risk was modeled for an exposure duration with 3.5 years and 3.0 years of construction, respectively, and 22 years for operations.

[e] For Scenario 5, the evaluation of cancer risk was modeled for an exposure duration with 30 years of operations for off-site and on-site residents. For off-site and on-site workers, the evaluation of cancer risk was modeled for an exposure duration with 25 years for operations.

[f] Construction plus operational emissions contributions to cancer risk, hazard indices, and annual $PM_{2.5}$ concentrations are shown for Scenarios 1 through 4. Operational-only emissions contributions to cancer risk, hazard indices, and annual $PM_{2.5}$ concentrations are shown for Scenario 5.

Table 4-20. Estimated Project-Level $PM_{2.5}$ Concentration Results from Modeled Scenarios for the CEQA Reduced Density Alternative with Mitigation and MERV 13 Air Filters

Receptor Type	Annual $PM_{2.5}$ Concentrations ($\mu g/m^3$)[a]
Scenario 2—Exposure Starting at Beginning of Construction Phase 2	
MEIR, on-site	0.14
Significance Threshold	0.3
Exceeds Threshold?	No
Scenario 3—Exposure Starting at Beginning of Construction Phase 3	
MEIR, on-site	0.14
Significance Threshold	0.3
Exceeds Threshold?	No
Scenario 4—Exposure Starting at Beginning of Construction Phase 4	
MEIR, on-site	0.14
Significance Threshold	0.3
Exceeds Threshold?	No

Source: Appendix C

Note: Exceedances of thresholds are indicated with bold and underlined text. As discussed in Section 4.3.5, *Health Risk Assessment Modeling*, the health risk assessment modeling accounts for mobile source emissions of PM2.5 that have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations.

MEIR = Maximally Exposed Individual Receptor; $\mu g/m^3$ = micrograms per cubic meter; $PM_{2.5}$ = particulate matter with an aerodynamic diameter of 2.5 or less.

[a] Construction plus operational emissions contributions to annual $PM_{2.5}$ concentrations are shown for Scenarios 2 through 4.

Mitigation Measure HRA-1. Enhanced Fugitive Dust Control

See above discussion for the CEQA Proposed Project.

Mitigation Measure HRA-2. Promote Safe Work Practices to Limit Emissions Exposure During Construction

See above discussion for the CEQA Proposed Project.

Mitigation Measure AQ-1. Electric Equipment and Emissions Controls for Off-Road Diesel Engines during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-2. Zero-Emission On-Road Vehicles during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-3. Fugitive Dust Control

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure GHG-1. Best Management Practices for Construction-Related GHG Emissions

Refer to measure description in Chapter 5, *Greenhouse Gases and Climate Change*, Section 5.3.3, *Impacts*, under Impact GHG-1.

Mitigation Measure HAZ-1. Implement the Environmental Issues Management Plan

See discussion for the CEQA Proposed Project under Impact CEQA-HAZ-1 in Section 3.9, Haz*ards and Hazardous Materials*, of this joint EIR/EIS.

Mitigation Measure TRAN-1. Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Cumulative Assessment

The sources and methods used to analyze cumulative health risks for the CEQA Reduced Density Alternative are the same as described above in Section 4.3.7.2 for the CEQA Proposed Project. For the CEQA Reduced Density Alternative, one receptor location is analyzed in the cumulative HRA—the Project MEIR represents the maximally affected receptor location for cancer risk, non-cancer risk, and annual $PM_{2.5}$ concentrations. Cumulative health risks were determined by adding the total contribution from background sources to the modeled project risks at each location. Adding the highest project result to the total background risk provides a worst-case assessment and ensures cumulative health risks in the study area are not underreported.

The results of the cumulative impact assessment are summarized in Table 4-21. The project contribution includes implementation of AQ-1, AQ-3, and TRAN-1. Mitigation Measures AQ-2, HAZ-1, GHG-1, HRA-1, and HRA-2 are not quantified or not fully quantified for the reasons discussed for the project-level analysis.

Table 4-21. Maximum Cumulative Health Risks for the CEQA Reduced Density Alternative

Source	Cancer Risk (per million)	Non-Cancer Chronic Hazard Index	Non-Cancer Acute Hazard Index	Annual $PM_{2.5}$ Concentration ($\mu g/m^3$)
Project MEIR – Maximally Affected Receptor for Cancer, Non-Cancer, and $PM_{2.5}$ Risk [a]				
Background				
Stationary sources [b]	58	0.19	<0.01	**4.36**
Roadway sources [c]	9	0.03	NA	0.25
Total	67	0.22	<0.01	**4.61**
Project				
MEIR [a]	9	0.03	0.07	0.36
Total Cumulative [d]	76	0.25	0.07	**4.97**
Significance Threshold	100	10	10	0.8
Exceeds threshold?	No	No	No	Yes

Source: Appendix C

$PM_{2.5}$ = particulate matter with a diameter of 2.5 microns or less; μg/m³ = micrograms per cubic meter

Note: Exceedances of thresholds are indicated with bold and underlined text. As discussed in Section 4.3.5, *Health Risk Assessment Modeling*, the project-level health risk assessment modeling accounts for mobile source emissions of PM2.5 that have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations.

[a] Represents the receptor with the highest project cancer, non-cancer, and $PM_{2.5}$ risk (future on-site, Scenarios 1 through 4) (see Table 4-19). The receptor is located at UTM x, y: 583597.32, 4140578.25.

[b] Contribution from Air District permitted facilities (Tables 4-2) and existing and planned sources on the NASA Ames property (Tables 4-3). Note that the background risks presented in this table may not match what is presented in Table 4-4. This is because Table 4-4 presents the background risk at the facility fenceline, whereas this table presents the combine background risk at the modeled receptor location (A or B). Air District Facility number 550-REM contributes the majority of Stationary Source cancer risk (30 per one million) and $PM_{2.5}$ concentration (4.4 ug/m³) at the Project MEIR. 550-REM represents the combined emissions of 37 generators rather than a single unit, so the modeled health risks will naturally appear higher than the individually located units. The higher impact is therefore a modeling artifact of the aggregation rather than an indication that any single generator within that group has unusually high emissions or parameters.

[c] Obtained from the Air District's (2022) mobile source risk databases.

[d] Total background sources plus project. Values may not add due to rounding.

As shown in Table 4-21, the CEQA Reduced Density Alternative would result in the same cumulative health risk findings as the CEQA Proposed Project (see Table 4-9). Cumulative $PM_{2.5}$ concentration at the maximally affected receptor location would exceed the Air District's threshold. Applying a MERV-13 removal efficiency of 60 percent would reduce the maximum annual $PM_{2.5}$ concentration at the Project MEIR to 1.99 μg/m³. Thus, with consideration of MERV-13 filters, which are required by CALGreen, cumulative $PM_{2.5}$ concentration at the maximally affected receptor location would remain cumulatively considerable.

4.3.7.7 CEQA Reduced Density Alternative No Student/Faculty Housing Variant (NEPA Build Alternative 2, No Student/Faculty Housing Sub-Alternative)

Project-Level Impacts

Impact HRA-1. Expose Sensitive Receptors to Substantial Localized Carbon Monoxide Concentrations

Overall, there would be no difference in the impact conclusion between the CEQA Proposed Project and the CEQA Reduced Density Alternative and the CEQA Reduced Density Alternative with the Variant. Vehicle traffic and associated mobile-source emissions would be lower under the Variant, relative to the CEQA Proposed Project. The Variant would meet the Air District's screening criteria and thus would not contribute to any new localized CO hot spots.

Impact HRA-2. Expose Sensitive Receptors to Substantial Toxic Air Contaminants and Localized Particulate Matter

The CEQA Reduced Density Alternative with the Variant would include the same TAC and $PM_{2.5}$ sources as the CEQA Reduced Density Alternative, with no appreciable difference in emissions during construction. Operational TAC and $PM_{2.5}$ missions associated with the Variant would be the same as under the CEQA Reduced Density Alternative; however, the locations for the emissions would change. Table 4-22 presents the maximum unmitigated and mitigated health risks for the CEQA Reduced Density Alternative with the Variant for off-site and on-site receptors under the five

scenarios above under *Health Risk Assessment Modeling.* The mitigated analysis accounts for anticipated reductions achieved by Mitigation Measures AQ-1, AQ-3, and TRAN-1 (Mitigation Measures AQ-2, HRA-1, HRA-2, HAZ-1, and GHG-1 are not quantified or not fully quantified for the reasons discussed in Section 4.3.7.2). Table 4-23 presents the maximum $PM_{2.5}$ concentrations for on-site receptors during Scenarios 2 through 4 with implementation of project mitigation and MERV 13 air filters.

As shown in Table 4-22, the maximum risk and $PM_{2.5}$ concentration would change slightly relative to the CEQA Reduced Density Alternative (see Table 4-19). However, there would be no difference in the impact conclusion between the CEQA Reduced Density Alternative with the Variant and the CEQA Proposed Project (see Table 4-7). Mitigation Measures AQ-1 through AQ-3, HAZ-1, HRA-1, HRA-2, GHG-1, and TRAN-1 would reduce receptor exposure to project emissions, but even with these measures, $PM_{2.5}$ concentrations would still exceed the Air District's thresholds and no further mitigation is available. MERV-13 air filters would further reduce risks, and while potential benefits can be quantified and are shown in Table 4-23, their actual efficacy may differ depending on proper use and receptor actions (e.g., opening of windows). Thus, the results presented in Table 4-23 are given for informational purposes only.

Table 4-22. Estimated Project-Level Health Risk Results from Modeled Scenarios for the CEQA Reduced Density Alternative with Variant

Receptor Type	Cancer Risk (cases per million) (unmitigated/mitigated) [f]	Non-Cancer Chronic Risk (unmitigated/mitigated) [f]	Non-Cancer Acute Risk [f]	Annual $PM_{2.5}$ Concentrations (µg/m^3) (unmitigated/mitigated) [f]
Scenario 1 – Exposure Starting at Beginning of Construction Phase 1 [a]				
MEIR, existing off-site	12.4/3.0	0.05/0.01	0.01	0.35/0.12
MEIR – future on-site	NA	NA	NA	NA
Significance Threshold	10.0	1.0	1.0	0.3
Exceeds Threshold?	Yes/No	No	No	Yes
Scenario 2 – Exposure Starting at Beginning of Construction Phase 2 [b]				
MEIR, existing off-site	13.1/3.6	0.05/0.01	0.01	0.35/0.12
MEIR – future on-site	14.9/5.5	0.10/0.03	0.07	0.93/0.39
Significance Threshold	10.0	1.0	1.0	0.3
Exceeds Threshold?	Yes/No	No	No	Yes
Scenario 3 – Exposure Starting at Beginning of Construction Phase 3 [c]				
MEIR, existing off-site	8.9/3.0	0.05/0.01	0.01	0.35/0.12
MEIR – future on-site	9.3/5.2	0.10/0.03	0.07	0.93/0.39
Significance Threshold	10.0	1.0	1.0	0.3
Exceeds Threshold?	No	No	No	Yes
Scenario 4 – Exposure Starting at Beginning of Construction Phase 4 [d]				
MEIR, existing off-site	27.8/8.4	0.05/0.01	0.01	0.35/0.12
MEIR – future on-site	21.2/8.9	0.10/0.03	0.07	0.93/0.39
Significance Threshold	10.0	1.0	1.0	0.3

Receptor Type	Cancer Risk (cases per million) (unmitigated/mitigated) [f]	Non-Cancer Chronic Risk (unmitigated/mitigated) [f]	Non-Cancer Acute Risk [f]	Annual $PM_{2.5}$ Concentrations (μg/m³) (unmitigated/mitigated) [f]
Exceeds Threshold?	Yes/No	No	No	Yes
Scenario 5 – Exposure to Project Buildout Operations [e]				
MEIR, existing off-site	1.7/1.7	<0.01/<0.01	0.01	0.04/0.03
MEIR – future on-site	4.8/4.8	<0.01/<0.01	0.07	0.06/0.06
Significance Threshold	10.0	1.0	1.0	0.3
Exceeds Threshold?	No	No	No	No

Source: Appendix C

Note: Exceedances of thresholds are indicated with underlined text. As discussed in Section 4.3.5, *Health Risk Assessment Modeling*, the health risk assessment modeling accounts for mobile source emissions of PM2.5 that have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations.

MEIR = Maximally Exposed Individual Receptor; μg/m³ = micrograms per cubic meter; $PM_{2.5}$ = particulate matter with an aerodynamic diameter of 2.5 or less.

[a] For Scenario 1, the evaluation of cancer risk was modeled for an exposure duration with 13.5 years of construction and 17 years of operations for an off-site resident. For an off-site worker, the evaluation of cancer risk was modeled for an exposure duration with 13.5 years of construction and 12 years for operations.

[b] For Scenario 2, the evaluation of cancer risk was modeled for an exposure duration with 9.5 years of construction and 21 years of operations for an off-site resident. For off-site and on-site workers, the evaluation of cancer risk was modeled for an exposure duration with 9.5 years and 9.0 years of construction, respectively, and 16 years for operations.

[c] For Scenario 3, the evaluation of cancer risk was modeled for an exposure duration with 6.5 years of construction and 24 years of operations for an off-site resident. For off-site and on-site workers, the evaluation of cancer risk was modeled for an exposure duration with 6.5 years and 6.0 years of construction, respectively, and 19 years for operations.

[d] For Scenario 4, the evaluation of cancer risk was modeled for an exposure duration with 3.5 years of construction and 27 years of operations for an off-site resident. For off-site and on-site workers, the evaluation of cancer risk was modeled for an exposure duration with 3.5 years and 3.0 years of construction, respectively, and 22 years for operations.

[e] For Scenario 5, the evaluation of cancer risk was modeled for an exposure duration with 30 years of operations for off-site and on-site residents. For off-site and on-site workers, the evaluation of cancer risk was modeled for an exposure duration with 25 years for operations.

[f] Construction plus operational emissions contributions to cancer risk, hazard indices, and annual $PM_{2.5}$ concentrations are shown for Scenarios 1 through 4. Operational-only emissions contributions to cancer risk, hazard indices, and annual $PM_{2.5}$ concentrations are shown for Scenario 5.

Table 4-23. Estimated Project-Level $PM_{2.5}$ Concentration Results from Modeled Scenarios for the CEQA Reduced Density Alternative with Variant with Mitigation and MERV 13 Air Filters

Receptor Type	Annual $PM_{2.5}$ Concentrations ($\mu g/m^3$)[a]
Scenario 2—Exposure Starting at Beginning of Construction Phase 2	
MEIR, on-site	0.15
Significance Threshold	0.3
Exceeds Threshold?	No
Scenario 3—Exposure Starting at Beginning of Construction Phase 3	
MEIR, on-site	0.15
Significance Threshold	0.3
Exceeds Threshold?	No
Scenario 4—Exposure Starting at Beginning of Construction Phase 4	
MEIR, on-site	0.15
Significance Threshold	0.3
Exceeds Threshold?	No

Source: Appendix C

Note: Exceedances of thresholds are indicated with bold and underlined text. As discussed in Section 4.3.5, *Health Risk Assessment Modeling*, the health risk assessment modeling accounts for mobile source emissions of PM2.5 that have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations.

MEIR = Maximally Exposed Individual Receptor; $\mu g/m^3$ = micrograms per cubic meter; $PM_{2.5}$ = particulate matter with an aerodynamic diameter of 2.5 or less.

[a] Construction plus operational emissions contributions to cancer risk and annual $PM_{2.5}$ concentrations are shown for Scenarios 2 through 4.

Mitigation Measure HRA-1. Enhanced Fugitive Dust Control

See above discussion for the CEQA Proposed Project.

Mitigation Measure HRA-2. Promote Safe Work Practices to Limit Emissions Exposure During Construction

See above discussion for the CEQA Proposed Project.

Mitigation Measure AQ-1. Electric Equipment and Emissions Controls for Off-Road Diesel Engines during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-2. Zero-Emission On-Road Vehicles during Construction

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-3. Fugitive Dust Control

Refer to measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure GHG-1. Best Management Practices for Construction-Related GHG Emissions

Refer to measure description in Chapter 5, *Greenhouse Gases and Climate Change*, Section 5.3.3, *Impacts*, under Impact GHG-1.

Mitigation Measure HAZ-1. Implement the Environmental Issues Management Plan

See discussion for the CEQA Proposed Project under Impact CEQA-HAZ-1 in Section 3.9, Haz*ards and Hazardous Materials*, of this joint EIR/EIS.

Mitigation Measure TRAN-1. Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Cumulative Assessment

The sources and methods used to analyze cumulative health risks for the CEQA Reduced Density Alternative with the Variant are the same as described above in Section 4.3.7.2 for the CEQA Proposed Project. For the CEQA Reduced Density Alternative with the Variant, one receptor location is analyzed in the cumulative HRA—the Project MEIR represents the maximally affected receptor location for cancer risk, non-cancer risk, and annual $PM_{2.5}$ concentrations. Cumulative health risks were determined by adding the total contribution from background sources to the modeled project risks at each location. Adding the highest project result to the total background risk provides a worst-case assessment and ensures cumulative health risks in the study area are not underreported.

The results of the cumulative impact assessment are summarized in Table 4-24. The project contribution includes implementation of AQ-1, AQ-3, and TRAN-1. Mitigation Measures AQ-2, HAZ-1, GHG-1, HRA-1, and HRA-2 are not quantified or not fully quantified for the reasons discussed for the project-level analysis.

Table 4-24. Maximum Cumulative Health Risks for the CEQA Reduced Density Alternative with the Variant

Source	Cancer Risk (per million)	Non-Cancer Chronic Hazard Index	Non-Cancer Acute Hazard Index	Annual $PM_{2.5}$ Concentration ($\mu g/m^3$)
Project MEIR – Maximally Affected Receptor for Cancer, Non-Cancer, and $PM_{2.5}$ Risk [a]				
Background				
Stationary sources [b]	58	0.19	<0.01	**4.36**
Roadway sources [c]	9	0.03	NA	0.25
Total	67	0.22	<0.01	**4.61**
Project				
MEIR [a]	9	0.03	0.07	0.39
Total Cumulative [d]	76	0.25	0.07	**5.00**
Significance Threshold	100	10	10	0.8
Exceeds threshold?	No	No	No	Yes

Source: Appendix C

$PM_{2.5}$ = particulate matter with a diameter of 2.5 microns or less; μg/m^3 = micrograms per cubic meter

Note: Exceedances of thresholds are indicated with bold and underlined text. As discussed in Section 4.3.5, *Health Risk Assessment Modeling*, c risk assessment modeling accounts for mobile source emissions of PM2.5 that have been adjusted to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations.

[a] Represents the receptor with the highest project cancer, non-cancer, and $PM_{2.5}$ risk (future on-site, Scenarios 1 through 4) (see Table 4-22). The receptor is located at UTM x, y: 583597.32, 4140578.25.

[b] Contribution from Air District permitted facilities (Tables 4-2) and existing and planned sources on the NASA Ames property (Tables 4-3). Note that the background risks presented in this table may not match what is presented in Table 4-4. This is because Table 4-4 presents the background risk at the facility fenceline, whereas this table presents the combine background risk at the modeled receptor location (A). Air District Facility number 550-REM contributes the majority of Stationary Source cancer risk (30 per one million) and $PM_{2.5}$ concentration (4.4 ug/m^3) at both the Project MEIR. 550-REM represents the combined emissions of 37 generators rather than a single unit, so the modeled health risks will naturally appear higher than the individually located units. The higher impact is therefore a modeling artifact of the aggregation rather than an indication that any single generator within that group has unusually high emissions or parameters.

[c] Obtained from the Air District's (2022) mobile source risk databases.

[d] Total background sources plus project. Values may not add due to rounding.

As shown in Table 4-24, the CEQA Reduced Density Alternative with the Variant would result in the same cumulative health risk findings as the CEQA Proposed Project (see Table 4-9). Cumulative $PM_{2.5}$ concentration at the maximally affected receptor location would exceed the Air District's threshold. Applying a MERV-13 removal efficiency of 60 percent would reduce the maximum annual $PM_{2.5}$ concentration at the Project MEIR to 2.00 μg/m^3. Thus, with consideration of MERV-13 filters, which are required by CALGreen, cumulative $PM_{2.5}$ concentration at the maximally affected receptor location would remain cumulatively considerable.

Chapter 5
Greenhouse Gases and Climate Change

This chapter describes GHG emissions that may be generated by construction and operation of the proposed project. It also provides an overview of predicted global, state, and local climate change and discusses relevant federal, State and regional GHG regulations. The chapter assesses the GHG impacts that would result from the proposed project and provides mitigation where feasible.

GHG emissions and global climate change represent cumulative impacts of human activities and development projects locally, regionally, nationally, and worldwide. GHG emissions cumulatively contribute to the environmental impacts of global climate change. No single project could generate enough GHG emissions to noticeably change the global average temperature; instead, the combination of GHG emissions from past, present, and future projects and activities have and will continue to contribute to global climate change and its associated environmental impacts. Thus, GHG impacts are inherently cumulative, and the study area for the analysis of GHG emissions includes the entire state and global atmosphere.

Refer to Chapter 3, *Air Quality*, and Chapter 4, *Health Risk Analysis* for the air quality and health risk impact analyses, respectively.

5.1 Affected Environment/Environmental Setting

5.1.1 Pollutants of Concern

The principal anthropogenic (human-made) GHGs contributing to global warming are carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), and fluorinated compounds, including sulfur hexafluoride, hydrofluorocarbons (HFCs), and perfluorocarbons. Water vapor, the most abundant GHG, is not included in this list because its natural concentrations and fluctuations far outweigh its anthropogenic sources.

The primary GHGs of concern associated with the proposed project are CO_2, CH_4, N_2O, and HFCs. Principal characteristics of these pollutants are discussed below. Sulfur hexafluoride and perfluorocarbons are not discussed because these gases are generated primarily by industrial and manufacturing processes, which are not part of the proposed project.

- **Carbon dioxide**. CO_2 accounts for more than 81 percent of all GHG emissions emitted in California (CARB 2024d). CO_2 enters the atmosphere through fossil fuels (oil, natural gas, and coal) combustion, solid waste decomposition, plant and animal respiration, and chemical reactions (e.g., manufacture of cement). CO_2 is also removed from the atmosphere (or "sequestered") when it is absorbed by plants as part of the biological carbon cycle.
- **Methane**. CH_4, the main component of natural gas, is the second most abundant GHG in California (CARB 2024d). Sources of anthropogenic emissions of CH_4 include growing rice, raising cattle, using natural gas, landfill outgassing, and mining coal. Certain land uses also function as both a source and sink for CH_4. For example, wetlands are a terrestrial source of CH_4, whereas undisturbed, aerobic soils act as a CH_4 sink (i.e., they remove CH_4 from the atmosphere).

- **Nitrous oxide**. Anthropogenic sources of N_2O include agricultural processes (e.g., fertilizer application), nylon production, fuel-fired power plants, nitric acid production, and vehicle emissions. N_2O also is used in rocket engines, racecars, and as an aerosol spray propellant. Natural processes, such as nitrification and denitrification, can also produce N_2O, which can be released to the atmosphere by diffusion.
- **Hydrofluorocarbons**. HFCs are human-made chemicals used in commercial, industrial, and consumer products and have high GWPs. HFCs are generally used as substitutes for ozone-depleting substances in automobile air conditioners and refrigerants. In the transportation sector, HFCs from refrigeration and air conditioning units represented about 2.5 percent of total on-road emissions in California in 2022 (CARB 2024f).

Methods have been set forth to describe emissions of GHGs in terms of a single gas to simplify reporting and analysis. The most accepted method to compare GHG emissions is the global warming potential (GWP) methodology defined in Intergovernmental Panel on Climate Change (IPCC) reference documents. IPCC defines the GWP of various GHG emissions on a normalized scale that recasts all GHG emissions in terms of carbon dioxide equivalent (CO_2e), which compares the gas in question to that of the same mass of CO_2 (CO_2 has a GWP of 1 by definition).

Table 5-1 lists the GWP of CO_2, CH_4, N_2O, and HFCs and their lifetimes in the atmosphere. The GWPs are from the IPCC's fourth assessment report (AR4). Common metrics adopted at the 27th United Nations Framework Convention on Climate Change Conference of Parties (COP27) require Parties to use 100-year GWP values from IPCC's fifth assessment report (AR5) in their national GHG reporting by the end of 2024 (EPA 2024f:ES-3). EPA's most recent national GHG inventory, published in April 2024, uses the AR5 GWPs (refer to Section 5.1.2, *Emissions Inventories*). Although national GHG reporting is moving toward use of the AR5 GWPs, this analysis uses the AR4 GWP consistent with statewide GHG reporting (CARB 2024e).

Table 5-1. Lifetimes and Global Warming Potentials of Key Greenhouse Gases

Greenhouse Gas	Global Warming Potential (100 years)	Lifetime (years)
CO_2	1	–
CH_4	25	12
N_2O	298	114
HFCs	124–14,800	1–270

Source: California Air Resources Board 2025e.
CH_4 = methane; CO_2 = carbon dioxide; N_2O = nitrous oxide; HFCs = hydrofluorocarbons.

All GWPs used for CARB's GHG inventory, and to assess attainment of the State's GHG reduction targets, are considered over a 100-year timeframe (as shown in Table 5-1). However, CARB recognizes the importance of short-lived climate pollutants (SLCP) and reducing these emissions to achieve the State's overall climate change goals. SLCPs have atmospheric lifetimes on the order of a few days to a few decades, and their relative climate-forcing impacts, when measured in terms of how they heat the atmosphere, can be tens, hundreds, or even thousands of times greater than that of CO_2 (CARB 2017a:17). Recognizing their short-term lifespan and warming impact, SLCPs are measured in terms of CO_2e using a 20-year time period. The use of GWPs with a time horizon of 20 years better captures the importance of the SLCPs and gives a better perspective on the speed at which SLCP emissions controls will affect the atmosphere relative to CO_2 emissions controls. The

SLCP Reduction Strategy addresses the three primary SLCPs—CH_4, HFC gases, and anthropogenic black carbon. CH_4 has a lifetime of 12 years and a 20-year GWP of 72. HFC gases have lifetimes of 1.4 to 52 years and 20-year GWPs of 437 to 6,350. Anthropogenic black carbon has a lifetime of a few days to weeks and a 20-year GWP of 3,200 (CARB 2017a:Table 5).

5.1.2 Emissions Inventories

Like criteria pollutant inventories (see Table 3-4 in Chapter 3, *Air Quality*), a GHG inventory is a quantification of all GHG emissions and sinks in a selected physical and/or economic boundary. GHG inventories can be performed on a large scale (i.e., for global and national entities) or on a small scale (i.e., for a building or person). Although many processes are difficult to evaluate, several agencies have developed tools to quantify emissions from certain sources.

Table 5-2 outlines the most recent global, national, state, and county GHG inventories. The table also includes inventories for the cities of Mountain View and Sunnyvale, which border NASA ARC and the Project Site, as well as for the UC Berkeley main campus and NASA ARC.

Table 5-2. GHG Emissions Inventories

Year and Area	CO_2e (metric tons)
2010 Global	52,000,000,000
2023 United States[a, b]	5,256,700,000
2022 California	371,100,000
2017 Santa Clara County[b]	10,831,138
2021 City of Sunnyvale	688,739
2019 City of Mountainview	601,318
2022 UC Berkeley Main Campus[c]	161,331
2023 NASA ARC	13,296

Sources: Intergovernmental Panel on Climate Change 2014; U.S. Environmental Protection Agency 2025f: Table ES-2; California Air Resources Board 2024e; Rincon Consultants 2023:Table 45; City of Sunnyvale 20224:13; City of Mountain View 2021:1; UC Berkeley 2024; California Air Resources Board 2025f.

[a.] Total gross emission less emission reductions from the Agriculture, Land Use, Land-Use Change, and Forestry sector.

[b.] Inventory uses the AR5 GWPs.

[c.] The inventory is for the UC Berkeley main campus and does not include any emissions on the existing Project Site.

CO_2e = carbon dioxide equivalent; UC = University of California; NASA = National Aeronautics and Space Administration; ARC = Ames Research Center

5.1.3 Climate Change

5.1.3.1 Global Projections

The process known as the *greenhouse effect* keeps the atmosphere near Earth's surface warm enough for the successful habitation of humans and other life forms. The greenhouse effect is created by sunlight that passes through the atmosphere. Some of the sunlight striking Earth is absorbed and converted to heat, which warms the surface. The surface emits a portion of this heat as infrared radiation, some of which is re-emitted back toward the surface by GHGs in the atmosphere, and some of which results in warming of the atmosphere. Human activities that generate GHGs

increase the amount of infrared radiation absorbed by the atmosphere, thus enhancing the greenhouse effect, and amplifying the warming of Earth.

Increases in fossil fuel combustion and deforestation have exponentially increased concentrations of GHGs in the global atmosphere since the Industrial Revolution (Intergovernmental Panel on Climate Change 2018). Rising atmospheric concentrations of GHGs in excess of natural levels result in increasing global surface temperatures—a process commonly referred to as *global warming*. Higher global surface temperatures, in turn, result in changes to Earth's climate system, including increased ocean temperature and acidity, reduced sea ice, variable precipitation, and increased frequency and intensity of extreme weather events (IPCC 2018). Large-scale changes to Earth's system are collectively referred to as *climate change.*

The IPCC was established by the World Meteorological Organization and United Nations Environment Programme to assess scientific, technical, and socioeconomic information relevant to understanding climate change, its potential impacts, and options for adaptation and mitigation. The IPCC estimates that human-induced warming reached approximately 1 degree Celsius above preindustrial levels in 2017, increasing at 0.2 degrees Celsius per decade (Intergovernmental Panel on Climate Change 2018). Global warming is more likely than not to reach (or exceed) 1.5 degrees Celsius in the near term (2021–2040). Estimates for longer-term warming range from 1.4 degrees Celsius to 4.4 degrees Celsius, depending on the emissions scenario (IPCC 2023).

In addition to warming surface temperatures and rising sea levels, the IPCC projects the following additional changes to the global climate system: reduced global snow cover; increased thaw depth in permafrost regions; decreased sea ice with potential full disappearance in summer months; increased frequency of heat waves, droughts, and heavy precipitation events; increased intensity of tropical cyclone events; northward movement of extra-tropical storm tracks; increased ocean acidification; and an increased global sea-level rise more than approximately 95 percent of the ocean area by 2100 (Intergovernmental Panel on Climate Change 2021:TS-21, TS-67, TS-71, TS-76, TS-82, TS-134, SPM-25). The changing climate will have direct effects on natural and human systems, such as reducing crop yields and shifting the geographic range, migration patterns, seasonal patterns, abundances, and interaction of species (IPCC 2021:1-69–1-70, 5-56).

5.1.3.2 Statewide Projections

A variety of climate changes are projected to occur statewide throughout the 21st century. *California's Fourth Climate Change Assessment* presents the latest climate change projections for California from the downscaled Coupled Model Intercomparison Project Phase 5 (CMIP5) Global Climate Models using Representative Concentration Pathway (RCP) GHG trajectories. RCP 8.5 assumes global GHG emissions will continue to rise strongly through 2040 and then plateau around 2100. The more moderate RCP 4.5 assumes global GHG emissions will rise until mid-century and then decline. Under these scenarios, annual maximum temperatures are projected to increase by 5.6°F (RCP 4.5) and 8.8°F (RCP 8.5) throughout the state by 2100 (California Governor's Office of Planning and Research et al. 2018:23). Overall precipitation is expected to be variable, with annual precipitation increasing in the north and decreasing in the southernmost regions of California (California Governor's Office of Planning and Research et al. 2018:25). California is expected to experience a longer dry season and increased numbers of dry days and dry years and more frequent heavy precipitation and flood events, although future total precipitation projections remain uncertain (California Governor's Office of Planning and Research et al. 2018a:19). However, water

supply from snowpack is expected to decline by two-thirds by 2100 (California Governor's Office of Planning and Research 2024).

Risks from wildfire and sea-level rise are already increasing due to changes in climate (e.g., warmer temperatures) and other factors. Under RCP 8.5, a significant increase in large fire events by end of century is projected, with the average area burned statewide increasing by 77 percent (California Governor's Office of Planning and Research et al. 2018a:28–30; California Governor's Office of Planning and Research 2024). Substantial sea-level rise by midcentury is "virtually certain", but there is considerable range in the depth of rise among model projections (California Natural Resources Agency and Ocean Protection Council 2018:57). Without large-scale human intervention, *California's Fourth Climate Change Assessment* projects that 31 to 67 percent of Southern California beaches may completely erode by 2100 and the miles of highways susceptible to coastal flooding in a 100-year storm event will triple. Major urban areas such as San Francisco, Oakland, and San Diego will also be susceptible to major flooding from a combination of sea-level rise and storm surge by 2040-2080 (California Governor's Office of Planning and Research 2024).

5.1.3.3 Local Projections

Increases in global and statewide temperatures and climatic patterns could have significant impacts on the natural and human environments of the Project Site. Local climate conditions observed today in Moffett Field (see Section 3.1.2.2, *Local Conditions*, in Chapter 3.2, *Air Quality*) are likely to differ from future conditions when the Project is constructed and operational. Figure 5-1 through 5-4 illustrate the projected changes in sea-level rise, wildfire, flooding, and extreme heat for the Project Site. The following climate impacts are expected for the Project Site:

- No to low increased inundation risk from sea-level rise (Figure 5-1) (UC Berkeley et al. 2024:18).
- No to low increased risk from wildfire (Figure 5-2) (UC Berkeley et al. 2024:20).
- Minor increased flooding risk from extreme precipitation (Figure 5-3) (UC Berkeley et al. 2024:19). Based on an ensemble of 32 climate models from Cal-Adapt under Representation Concentration Pathway (8.5), the Project Site is expected to experience about 3 days per year with precipitation above 20 millimeters by midcentury (2040-2059). This is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours (CAPCOA 2024).
- Moderate increased risk from extreme heat (Figure 5-4). Compared to observed data in 2023, the average daily high temperature is projected to increase from 87°F to 90°F in 30 years. The number of days per year with temperatures above 90°F is also expected to increase to 14 days (UC Berkeley et al. 2024:21). Under RCP 8.5, Cal-Adapt projects an increase of 9.65 "extreme heat" days per year for the Project Site by midcentury (2040-2059). An "extreme heat" day is a day when the maximum temperature exceeds the 9th percentile of historical daily maximum temperatures (CAPCOA 2024).

Figure 5-1. Sea-Level Rise Projections for the Project Site (UC Berkeley et al. 2024:18)

Orange = Project Site

Figure 5-2. Wildfire Risk Projections for the Project Site (UC Berkeley et al. 2024:20)

Orange = Project Site

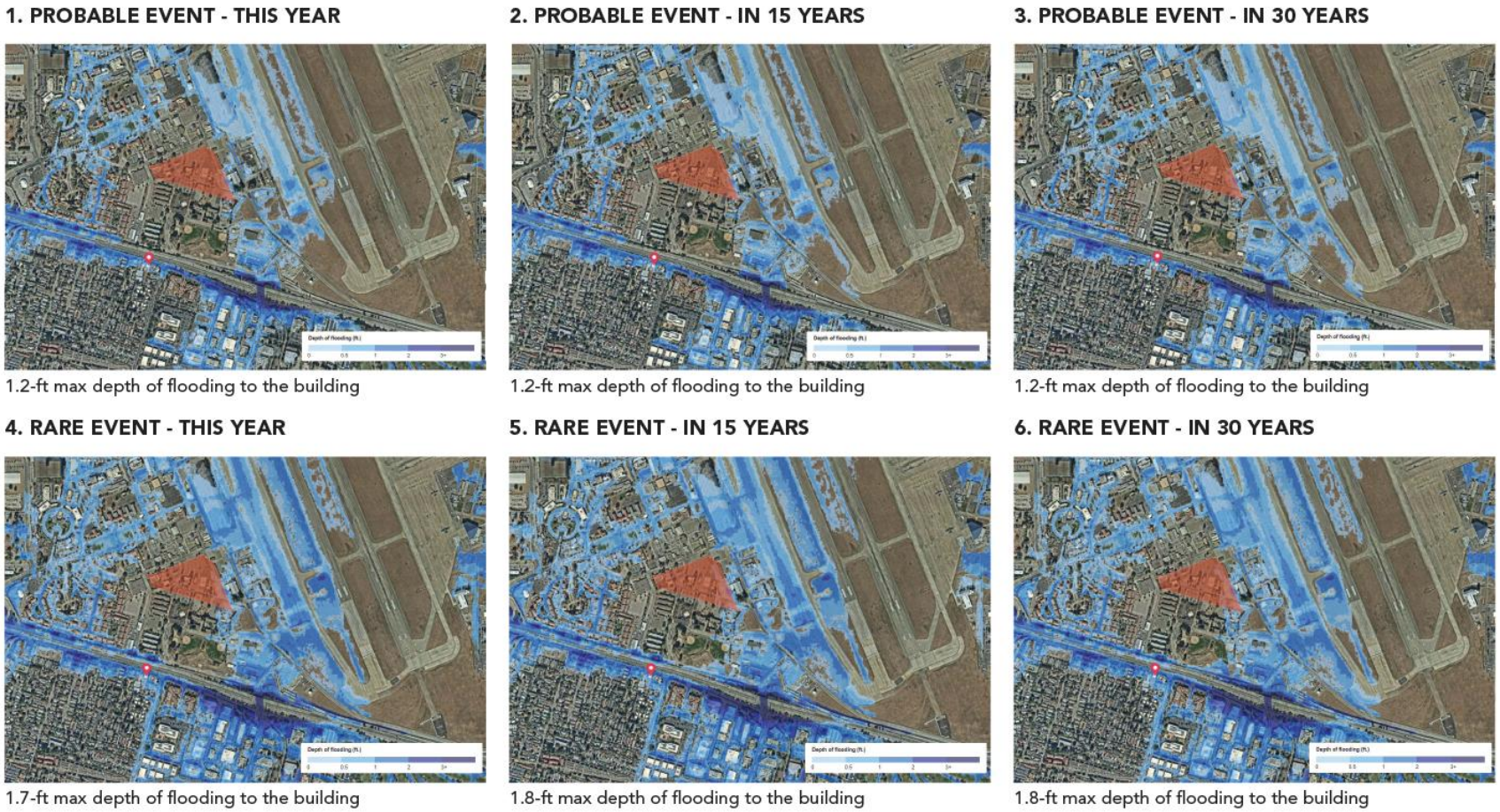

Figure 5-3. Flood Risk Projections for the Project Site (UC Berkeley et al. 2024:19)

Orange = Project Site

Figure 5-4. Extreme Heat Projections for the Project Site (UC Berkeley et al. 2024:21)

Gray = Project Site

5.2 Regulatory Setting

As discussed in Section 3.2, *Regulatory Setting*, in Chapter 3, *Air Quality*, various federal, State, and regional agencies work jointly to regulate air quality. Many of the air quality regulations discussed in Chapter 3 are likewise designed to reduce GHG emissions and promote climate adaptation. The following sections further discuss regulations, legislation, and programs that are applicable to the GHG emissions and climate adaptation at the federal, state, and regional levels.

5.2.1 Federal

The Supreme Court decision in *Massachusetts et al. v. Environmental Protection Agency et al.* (Supreme Court Case 05-1120) found that the EPA has the authority to list GHGs as pollutants and to regulate emissions of GHGs under the federal Clean Air Act. On December 7, 2009, former EPA Administrator Lisa P. Jackson signed findings that CO_2, CH_4, N_2O, HFC, PFC, and SF_6 may contribute to air pollution and may endanger public health and welfare. These findings were published to the Federal Register on December 15, 2009 (Docket ID No. EPA-HQ-OAR-2009-0171). EPA has since forth relied on these findings to establish and expand GHG and climate-focused regulations. However, on March 12, 2025, the EPA announced its plan to reconsider the 2009 endangerment findings and all regulations and actions that rely on those findings. On February 12, 2026, the EPA finalized repeal of the endangerment findings, with the action becoming effective April 20, 2026.

5.2.2 State

California has adopted statewide legislation addressing various aspects of climate change and GHG emissions mitigation. Much of this legislation establishes a broad framework for the State's long-term GHG reduction and climate change adaptation program, as summarized below. Policies and programs of the UC are also discussed.

5.2.2.1 State Legislative Reduction Targets

SB 32 requires the State to reduce emissions to 40 percent below the 1990 level by 2030. AB 1279 requires California to achieve net-zero GHG emissions (i.e., reach a balance between the GHGs emitted and removed from the atmosphere) no later than 2045 and to achieve and maintain net-negative GHG emissions from then on. It also mandates an 85 percent reduction in statewide anthropogenic GHG emissions (from 1990 levels) by 2045. AB 1279 requires State agencies aim to achieve net-zero GHG emissions resulting from their operations no later than 2035, or as soon as feasible thereafter.

The State's plan to reach these targets are presented in periodic scoping plans. CARB (2017b) adopted the *2017 Climate Change Scoping Plan* in November 2017 to meet the GHG reduction requirement set forth in SB 32. It proposes continuing the major programs of the previous scoping plan, including cap-and-trade regulation; low carbon fuel standards; more efficient cars, trucks, and freight movement; Renewables Portfolio Standard; and reducing CH_4 emissions from agricultural and other wastes. CARB (2022) completed the *2022 Scoping Plan Update* in November 2022 to identify a technologically feasible, cost-effective and equity-focused path to achieve carbon neutrality by 2045, pursuant to AB 1279. The plan also assesses the State's progress toward meeting the GHG emissions reduction goal called for in SB 32.

5.2.2.2 Vehicle Efficiency and Zero-Emissions Standards

AB 1493 (Pavley I) required CARB to develop and implement regulations to reduce automobile and light truck GHG emissions. These stricter emissions standards were designed to apply to automobiles and light trucks beginning with model year 2009. Additional strengthening of the Pavley standards (referred to previously as Pavley II and now referred to as the Advanced Clean Cars measure) was adopted for vehicle model years 2017 through 2025 in 2012. Together, the two standards are expected to increase average fuel economy to roughly 54.5 miles per gallon in 2025.

In August 2022, the CARB Board members voted to approve the Advanced Clean Cars II proposal, which will dramatically reduce emissions from passenger cars for model years 2026 through 2035. The requires an increasing proportion of new vehicles to be zero-emission vehicles, with the goal of 100 percent zero-emission vehicles for new vehicles sold by 2035. As discussed in Section 3.2.2, *State*, in Chapter 3, *Air Quality*, CARB also adopted the Advanced Clean Truck Regulation to accelerate a large-scale transition of zero-emission medium- and heavy-duty vehicles.

Many of California's vehicle emission standards are enabled through its CAA waiver, which allows the State to set stricter standards than the federal government. On May 22, 2025, the U.S. Senate voted to rescind California's waiver under the Congressional Review Act (CRA). On June 12, 2025, California filed suit, arguing the decision is an inappropriate use of the CRA. As of the writing of this document, the legal process is still ongoing, and the fate of California's vehicle emissions regulations remains uncertain.

5.2.2.3 Low-Carbon Fuel Standard

Governor Schwarzenegger set forth the low-carbon fuel standard (LCFS) for California in 2007 under EO S-01-07. The EO requires the carbon intensity of California's transportation fuels to be reduced by at least 20 percent by 2030. Effective July 1, 2025, CARB amended the LCFS to strengthen the goal to a 30 percent reduction in fuel carbon intensity by 2030 and included a new goal that calls for a 90 percent reduction by 2045.

5.2.2.4 Sustainable Land Use Planning and Vehicle Miles Traveled

SB 375 provides a planning process that coordinates land use planning, RTP, and funding priorities to help California meet the GHG reduction goals. SB 375 requires that the RTPs developed by metropolitan planning organizations include a sustainable communities strategy (SCS). The goal of the SCS is to reduce regional GHG from cars and light-duty trucks through land use planning and consequent transportation patterns. CARB first released the regional targets in September 2010 and updated them in March 2018. The current SB 375 targets for the Bay Area are to achieve a 10 percent and 19 percent GHG reduction to a level below 2005 per capita automobile GHG emissions by 2020 and 2035, respectively. MTC/ABAG's *Plan Bay Area 2050* achieves these targets (CARB 2022).

SB 743 required revisions to the California Environmental Quality Act (CEQA) Guidelines that establish new impact analysis criteria for the assessment of a project's transportation impacts. The intent behind SB 743 and revising the CEQA Guidelines was to integrate and better balance the needs of congestion management, infill development, active transportation, and GHG emissions reduction.

5.2.2.5 Electricity Generation

The State passed legislation that requires increasing use of renewables to produce electricity for consumers. Specifically, California utilities are required to generate 44 percent of their electricity from renewables by 2024 (SB 100), 50 percent by 2026 (SB 100), 52 percent by 2027 (SB 100), 60 percent by 2030 (SB 100), 90 percent by 2035 (SB 1020), 95 percent by 2040 (SB 1020), and 100 percent by 2045 (SB 100/SB 1020). SB 1020 also requires State agencies to rely on 100 percent renewable energy and zero-carbon resources to serve their own facilities by 2035.

5.2.2.6 Building Efficiency and Green Building Design

California has also adopted aggressive energy efficiency standards for new buildings and is continuously updating the standards. The energy consumption of new residential and non-residential buildings in California is regulated by CCR Title 24, Part 6, Building Energy Efficiency Standards (California Energy Code), and Part 11, California Green Building Standards Code (CALGreen). The California Energy Commission (CEC) updates the California Energy Code every 3 years with more stringent design requirements to reduce energy consumption, resulting in lower GHG emissions.[37] In August 2021, the CEC adopted the 2022 Building Energy Efficiency Standards, which took effect on January 1, 2023. Rulemaking for the proposed 2025 Building Energy Efficiency Standards is underway and those standards (once adopted) will take effect on January 1, 2026. The standards are updated every 3 years, although, for residential development, there is a 6-year moratorium on updates other than for fire and safety.

The California Green Building Standards, also known as CALGreen, are optional standards that exceed the requirements of the mandatory Building Energy Efficiency Standards. They are developed by the CEC and provide green building design standards for residential and nonresidential construction. The current 2022 CALGreen Code took effect on January 1, 2023. These standards also are updated every 3 years, with the exception that residential standards will not change for 6 years.

5.2.2.7 University of California

The UC, a constitutionally created State entity, is not subject to municipal regulations of surrounding local governments for uses on property owned or controlled by the UC that are in furtherance of its educational purposes. UC Berkeley may consider, for coordination purposes, aspects of local plans and policies for the communities surrounding the project when it is appropriate and feasible, but it is not bound by those plans and policies in its planning efforts. For the purposes of CEQA, UC Berkeley has elected to use guidance from the Air District to evaluate GHG impacts from construction and operational emissions. This guidance is discussed further in Section 5.3.2, *Thresholds of Significance*.

5.2.3 Regional

The cities of Sunnyvale and Mountain View and Santa Clara County have developed climate action plans to meet or exceed the State's GHG emission reduction targets. Because the project is on federal land within the NASA ARC, it is outside the planning boundaries of these plans. As such, the climate action plans do not apply to the proposed project. The following regional plans are considered in the GHG impact analysis.

[37] AB 130 (signed July 10, 2025) freezes updates to the residential building standards after the 2025 triennial adoption cycle.

5.2.3.1 Air District

The Air District is the primary agency responsible for addressing air quality concerns in the SFBAAB. Its role is discussed further in Section 3.2.3, *Regional*, in Chapter 3, *Air Quality*. The Air District's 2017 Clean Air Plan contains the following primary GHG goal, which is relevant to the proposed project.

- **Protect the Climate**. Reduce Bay Area GHG emissions to 40 percent below 1990 levels by 2030 and 80 percent below 1990 levels by 2050. The 2017 Clean Air Plan is the most current applicable air quality plan for the air basin. Consistency with this plan is the basis for determining whether the project would conflict with or obstruct implementation of an air quality plan (Air District 2017b:1/2).

The Air District (2023) recommends methods for analyzing project generated GHGs in CEQA analyses in their *CEQA Air Quality Guidelines.* The guidelines also include recommended GHG thresholds that consider the statewide GHG target established by SB 32 and the eventual goal of carbon neutrality by 2045 (e.g., AB 1279) (Air District 2023a:Table 3-1).

5.2.3.2 Metropolitan Transportation Commission and Association of Bay Area Governments

As discussed in Section 3.2.3, *Regional*, in Chapter 3, *Air Quality*, MTC and ABAG adopted *Plan Bay Area 2050*, which serves as the Bay Area's RTP/SCS. As an implementing tool for *Plan Bay Area 2050*, MTC has identified Transit Priority Areas (TPAs) throughout the Bay Area. TPAs include areas within 0.5 mile of transit. In addition, local jurisdictions can identify Priority Development Areas, which are locally identified, regionally significant places where development is encouraged. Such areas can offer affordable homes that include or are near essential services, green space, or frequent public transit. The Project Site is identified by MTC (2024) as a Transit Priority Area because of its proximity to the Bayshore/NASA VTA light rail station. Investing in transit priority sites will help achieve the climate and equity goals of *Plan Bay Area 2050* (Metropolitan Transportation Commission and Association of Bay Area Governments 2024).

5.3 Impact Analysis

5.3.1 Methods

GHG emissions generated by construction and operation of the project were quantified using CalEEMod, version 2022.1 (CAPCOA 2022), and supporting industry tools.[38] Assumptions related to construction and operational activity (e.g., construction phase start and end dates, building energy consumption) were based on project-specific information provided by the Project Proponent as well as model defaults where project-specific information was not available. The following sections provide additional details

[38] As discussed in Section 3.3.1, *Methodology*, in Section 3.3, *Air Quality*, Congressional resolutions signed on June 12, 2025, disapproved EPA's decisions to grant California waivers for the ACT, Warranty Phase 1, and Omnibus regulations. Although CARB published factors to remove the effects of these regulations from ROG, NO_X, and PM emissions rates produced by EMFAC2021, which is used by CalEEMod to estimate mobile-source emissions, equivalent adjustment factors for GHG emissions for EMFAC2021 rates were not developed by CARB. As further noted in Section 3.3.1, while CARB has released EMAFC2025 version 2.1.0, the tool was not available at the time the Notice of Preparation was issued for the environmental document. EMFAC2025 also has not yet been approved by EPA.

on the GHG modeling methodology. The quantification methodology is applicable to the analysis of impacts under CEQA and effects under NEPA.

5.3.1.1 Construction

CEQA Proposed Project (NEPA Build Alternative 1) and the CEQA Reduced Density Alternative (NEPA Build Alternative 2)

Construction GHG emissions from off-road equipment, construction worker and vendor trips, as well as construction haul trips, were quantified using the same methods described under *CEQA Proposed Project (NEPA Build Alternative 1) and CEQA Reduced Density Alternative (NEPA Build Alternative 2)* in Chapter 3, *Air Quality*, for the analysis of criteria pollutants.

Electricity would be consumed by mobile offices and area lighting, amounting to 200 to 500 megawatt hours (MWh) per year, based on input from the Project Proponent. Pacific Gas and Electric Company (PG&E) provides electrical service to the Project Site. GHG emissions from annual electricity consumption were modeled in CalEEMod based on PG&E's 2023 power content labels published through the CEC's (n.d.) Power Source Disclosure Program. PG&E's emissions factor was adjusted to account for an increase in carbon-free electricity pursuant to the RPS anticipated for future modeled years (i.e., 2026 through 2039). See Appendix A for the calculations.

Utility Options (CEQA Proposed Project [NEPA Build Alternative 1])

Construction of CUP Option or WRF Option would require additional off-road equipment and on-road vehicles beyond what is required for construction of the CEQA Proposed Project. Emissions from these sources under either option were quantified using the same methods described in *Utility Options (CEQA Proposed Project [NEPA Build Alternative 1])* in Chapter 3, *Air Quality*, for the analysis of criteria pollutants.

No Student/Faculty Housing Variant/Sub-Alternative

As discussed in *No Student/Faculty Housing Variant/Sub-Alternative* in Chapter 3, *Air Quality*, the same construction activities proposed and evaluated under the CEQA Proposed Project and the CEQA Reduced Density Alternative would occur under the Variant. The intensity of construction for CEQA Proposed Project and the CEQA Reduced Density Alternative with or without the Variant would therefore be the same, except for architectural coatings. However, the application of architectural coatings does not result in fugitive GHG emissions. Thus, GHG emissions quantified for CEQA Proposed Project and the CEQA Reduced Density Alternative are representative of conditions with or without the Variant.

5.3.1.2 Operation

CEQA Proposed Project (NEPA Build Alternative 1) and the CEQA Reduced Density Alternative (NEPA Build Alternative 2)

Operational GHG emissions from mobile sources, landscaping equipment (area source), and emergency generators (stationary source) were quantified using the same methods as described

in Section 3.3.1.2, *Operation*, in Chapter 3, *Air Quality*, for the analysis of criteria pollutants. Additional GHG emissions would be generated by electricity consumption (energy source/area source [e.g., residential electric fireplace]), water consumption, waste generation, and refrigeration and air-conditioning equipment (fugitive source). The methodologies used to estimate GHG emissions from these sources are described below. Refer to Appendix A for additional detail on the specific model inputs.

- **Electricity (Energy Source)**. Building energy use results in indirect GHG emissions from electricity consumption. GHG emissions were modeled in CalEEMod using electricity consumption estimates provided by the Project Proponent. As discussed in Chapter 2, *Project Description*, the proposed project includes several design features to enhance energy efficiency and promote renewable energy. Specifically, all project buildings will achieve a LEED Silver Rating and maximize passive cooling. Solar PV would be installed to supply a portion of on-site electrical demand. The electricity consumption estimates provided by the Project Proponent account for these design elements. PG&E's emission factor was adjusted to account for an increase in carbon-free electricity pursuant to the RPS anticipated for future modeled years.
- **Water Source**. Water use and wastewater generation results in indirect GHG emissions from the electricity used to supply, distribute, and treat the water and wastewater. Wastewater treatment also directly emits CH_4 and N_2O. GHG emissions from these sources were modeled in CalEEMod. Annual indoor and outdoor water consumption (including water use in the cooling towers) estimates were provided by EKI (Gain pers. comm.). The estimates account for water conservation features that will be implemented as part of the project design, including low-flow fixtures, drip irrigation, and drought-tolerant landscaping. The modeling also accounts for recycled water, which will serve outdoor demand.
- **Waste Source**. Landfilled waste generates GHG emissions from organic decomposition. GHG emissions were modeled in CalEEMod using waste generation estimates provided by the Project Proponent. As discussed in Chapter 2, *Project Description*, the project's waste management strategy is anticipated to achieve an 85 percent landfill diversion rate. The modeled waste tonnage estimates account for the project design waste reduction elements.
- **Refrigerants (Fugitive Source)**. Normal operation of air-conditioning (A/C) and refrigeration units can leak HFCs used as refrigerants. Leakage of HFCs from the building cooling (chillers) and heating (air source heat pumps) equipment were quantified in CalEEMod. The Project Proponent provided the expected equipment refrigerant types (e.g., R-513a), charge capacities (pounds), and leak rates. CalEEMod defaults were used to quantify refrigerant emissions from building refrigerators/freezers and A/C units in on-road vehicles.

Implementation of either Build Alternative would remove 227 existing trees during construction and plant 1,283 new trees. Tree removal results in carbon storage loss and results in long-term reductions in carbon sequestration. Conversely, tree planting would lead to emissions reductions from long-term annual carbon sequestration and storage. Because changes in vegetation (removal and planting) affect GHG emissions over the life of the tree, they are considered as part of the operational emissions analysis.

Carbon storage and sequestration from tree removal and planting was modeled using U.S. Department of Agriculture Forest Service's i-Tree Planting Calculator (i-Tree), version 2.7.2.[39] The species of trees removed, trunk size, and overall health was provided by the Project Proponent. The specific species of trees that will be planting is not currently known. However, the project design guidelines encourage a dynamic and varied planting palette that will enrich the ecological and social functions of the Project Site, and they identify multiple tree species that may be planted to achieve this goal. Based on this information, the Project Proponent defined a tree planting portfolio for the purposes of emissions modeling. Please refer to Appendix A for the tree removal and planting inventories.

As described in Section 3.3.1.2, *Operation*, in Chapter 3, *Air Quality*, operational modeling was conducted for full buildout in 2040. Partial operational emissions were also quantified for the land uses constructed during the first three phases. Emissions were quantified for the first year following completion of construction for each phase and held constant for all future years through 2039. This approach is conservative because annual operational emissions for each phase are likely to decrease each year due to declining emissions rates from deployment of renewable energy and potential improvements in vehicle technologies and emissions controls.

Utility Options (CEQA Proposed Project [NEPA Build Alternative 1])

Except for stationary and water sources, operational emissions with the WRF Option would be the same as described above for the CEQA Proposed Project.[40] One additional emergency generator would be maintained to support the WRF. Operational emissions for this additional generator were modeled using the same assumptions as described in *Utility Options (CEQA Proposed Project [NEPA Build Alternative 1])*, in Chapter 3, *Air Quality*, for the analysis of criteria pollutants. The WRF would consume small amount of water for system backwashing/flushing (Gain pers. comm.). GHG emissions from water use were modeled in CalEEMod using water consumption estimates provided by EKI (Gain pers. comm.).

Operational emissions with CUP Option would be the same as described above for the CEQA Proposed Project, except for the following:

- **Electricity (Energy Source)**. The CUP Option would provide a centralized heating and cooling system for all buildings, thereby improving overall sitewide electrical efficiency and reducing operational electricity consumption. GHG emissions from electricity consumption with the CUP Option were modeled in CalEEMod using electricity consumption estimates provided by the Project Proponent.
- **Water Source**. The CUP Option would only operate eight cooling towers, which would require less water than the 12 cooling towers operated under the CEQA Proposed Project. GHG emissions from cooling tower water use with the CUP Option were modeled in CalEEMod using water consumption estimates provided by EKI (Gain pers. comm.). Sitewide building indoor

[39] Trees planted proximate to buildings may achieve GHG reductions from energy savings (e.g., kWh). The distances of specific trees to individual buildings are not currently known. Accordingly, this analysis only accounts for changes in carbon sequestration associated with tree plantings and removals.

[40] The Water Reuse Facility Option would reuse water on-site, which in turn reduces the need to transport water over long distances. While reduced water transport would reduce energy consumption and associated GHG emissions, these benefits are not quantitatively modeled in the GHG analysis.

and outdoor water consumption and associated GHG emissions would be the same as the CEQA Proposed Project.

- **Stationary Source**. One additional emergency generator would be maintained to support the CUP. Operational emissions for this additional generator were modeled using the same assumptions as described in *Utility Options (CEQA Proposed Project [NEPA Build Alternative 1])*, in Chapter 3, *Air Quality*, for the analysis of criteria pollutants.
- **Refrigerants (Fugitive Source)**. Cooling (chillers) and heating (air source heat pumps) equipment would be centralized at the CUP. The Project Proponent provided the expected CUP equipment refrigerant types (e.g., R-513a), charge capacities (pounds), and leak rates. Refrigerant leakage emissions were quantified in CalEEMod. Sitewide emissions from building refrigerators/freezers and on-road A/C units would be the same as the CEQA Proposed Project.

The WRF would begin operation after completion of Phase 4 (2040) and the CUP would begin operation after completion of Phase 3 (2037).

No Student/Faculty Housing Variant/Sub-Alternative

Operational emissions under the Variant were modeled using the same technical methods as described above for the CEQA Proposed Project and the CEQA Reduced Density Alternative. The following revisions were made to the model inputs for the CEQA Proposed Project and the CEQA Reduced Density Alternative to reflect the unique operating characteristics of the Variant. Because the shift from housing to research square footage under the Variant would not occur until Phase 4, there would be no difference in operational activity relative to Alternative 1 prior to full-build conditions.

- **Mobile Sources**. Shifting 75,000 square feet from residential to research results in slightly greater VMT. This is because research land uses have higher average trip generation rates compared to residential land uses. Fehr & Peers provided VMT and vehicle trip data specific to the Variant for input into CalEEMod (Tan pers. comm. [A]).
- **Water Source**. Shifting 75,000 square feet from residential to research results in slightly lower indoor water demand. GHG emissions from indoor water use were modeled in CalEEMod using water consumption estimates provided by EKI (Gain pers. comm.). Sitewide building outdoor and cooling tower water consumption and associated GHG emissions would be the same as the CEQA Proposed Project.
- **Refrigerants (Fugitive Source)**. CalEEMod defaults were used to quantify GHG emissions from building refrigerators/freezers. Default operating characteristics of these units differ by land use type, resulting in slightly different refrigerant emissions under the Variant (no residential) when compared to the CEQA Proposed Project and the CEQA Reduced Density Alternative.
- **Stationary Sources**: One additional emergency generator would be maintained to support additional research and lab space. Operational emissions for this additional generator were modeled using the same assumptions as described in *Utility Options (Alternative 1)*, in Chapter 3, *Air Quality*, for the analysis of criteria pollutants.

CEQA No-Project/Existing Conditions Alternative

As discussed in Section 3.3.1.2, *Operation*, in Chapter 3, *Air Quality*, five on-site buildings are considered operational under existing conditions. GHG emissions generated by these buildings originate from mobile sources, energy sources (natural gas and electricity consumption), area sources (landscaping equipment), water consumption, waste generation, and fugitive sources (refrigeration and A/C equipment). Emissions from all sources except mobile were quantified using CalEEMod defaults for the building land use types and square footage, as shown in Table 3-10 in Section 3.3.1.2, *Operation*. Emissions from mobile sources were quantified using CalEEMod and VMT and vehicle trip data from Fehr & Peers. All existing emissions were modeled under 2024 operating conditions.

NEPA No-Action Alternative

The same six buildings identified in Table 3-10 would continue to operate under the NEPA No-Action Alternative.[41] The ten buildings not currently in operation would also be reoccupied in the future if the proposed project is not implemented. Accordingly, all 18 buildings shown in Table 3-10 are assumed operational under the NEPA No-Action Alternative.[42] Operational emissions for these building were estimated using CalEEMod and the assumptions described above under *Existing Conditions*. The NEPA No-Action Alternative was modeled under 2040 operating conditions to enable comparison to full-build project emissions.

5.3.2 Thresholds of Significance

As described in Section 1508.27 of the CEQ's NEPA regulations, the criteria of context and intensity are considered together when determining the severity of the change introduced by the project. For this analysis of GHG emissions:

- *Context* would include existing conditions across the state and global atmosphere.
- *Intensity* is determined by assessing the degree to which the project would contribute to global climate change and whether the project would conflict with implementation of applicable GHG reduction plans.

Appendix G of the CEQA Guidelines provides the following considerations for the analysis of GHG impacts under CEQA.

- Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment.
- Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs.

The Air District's Air Quality Guidelines do not identify a GHG emission threshold for construction-related emissions. Instead, they recommend that GHG emissions from construction be quantified

[41] Building 104 is an electric substation that does not contain occupiable space but is identified as a building in the on-site count.

[42] Buildings 108 and 109 are identified as separate buildings in the on-site count, but Building 108 is an outdoor swimming pool. Building 109 includes locker rooms.

and disclosed. The Air District further recommends incorporation of BMPs to reduce GHG emissions during construction (Air District 2023a:6-7).

The Air District (2023a:6-2) recommends that lead agencies evaluate operational GHG emissions from land use projects consistent with guidance from the California Supreme Court in *Center for Biological Diversity v. Department of Fish & Wildlife* (2015) (62 Cal. 4th 204), which specifies that a project must evaluate its effect on California's efforts to meet the State's long-term climate goals. As the California Supreme Court held in that case, a project that meets the State's long-term climate goals can be found to have a less-than-significant impact on climate change under CEQA. Specifically, if a project contributes a "fair share"[43] toward what will be required to achieve long-term climate goals, then a reviewing agency can find that the impact will not be significant because the project will help to solve the problem of global climate change (62 Cal. 4th 220–223). Applying this approach, the Air District has found that a new land use development project being built today needs to incorporate the design elements shown in Table 5-3 to do its fair share toward meeting the SB 32 target for 2030 and the goal of carbon neutrality by 2045. If a project incorporates the design elements listed in Table 5-3 (Threshold Option A) or is consistent with a local GHG reduction strategy under Section 15183.5 of the State CEQA Guidelines (Threshold Option B), then it will contribute a portion to what will be necessary to achieve California's long-term climate goals (i.e., its fair share) and will not result in a cumulatively considerable contribution to global climate change. If a project does not incorporate the design elements or is not consistent with an applicable local GHG reduction strategy, then it should be found to be a project with a significant climate impact because it will hinder the State's efforts to address climate change (Air District 2023a:6-3).

Table 5-3. Air District Operational GHG Thresholds for Land Use Projects

Thresholds for Land Use Projects (Must Include A or B)
A. Projects must include, at a minimum, the following project design elements: 1. Buildings a. The project will not include natural gas appliances or natural gas plumbing (in both residential and nonresidential development). b. The project will not result in any wasteful, inefficient, or unnecessary electrical usage, as determined by the analysis required under CEQA Section 21100(b)(3) and Section 15126.2(b) of the State CEQA Guidelines. 2. Transportation a. Achieve compliance with EV requirements in the most recently adopted version of CALGreen Tier 2. b. Achieve a reduction in project-generated VMT to a level below the regional average, consistent with the current version of the California Climate Change Scoping Plan (currently 15 percent), or meet a locally adopted SB 743 VMT target, reflecting the recommendations provided in OPR's Technical Advisory on Evaluating Transportation Impacts in CEQA: i. Residential projects: 15 percent below existing VMT per capita, ii. Office projects: 15 percent below existing VMT per employee, and

[43] The Air District (2023:6-2) defines "fair share" as the design elements that need to be incorporated into a project to lay the foundation for achieving carbon neutrality by 2045. These design elements are elements that the project has influence or control over. For example, becoming carbon neutral by 2045 will require California's electrical power generators to shift to 100 percent carbon-free energy resources, which is not something that can be controlled through the design of new land use projects and would not be a part of a project's fair share. Other sources that would not be part of the "fair share" are vehicle fleet mix and indirect off-site emissions (e.g., CH_4 emissions from wastewater or solid waste).

Thresholds for Land Use Projects (Must Include A or B)
iii. Retail projects: no net increase in existing VMT.
B. Projects must be consistent with a local GHG reduction strategy that meets the criteria under State CEQA Guidelines Section 15183.5(b).

Source: Air District 2023a:Table 3-2.
EV = electric vehicle; VMT = vehicle miles traveled

The Project Site is on federal land within the NASA ARC. Neither NASA nor UC Berkeley has a qualified GHG reduction strategy that applies to the Project Site. The project is also outside the planning boundaries of the local climate action plans (e.g., Mountain View and Sunnyvale); as such, Threshold Option B is not used. This analysis therefore evaluates consistency with the Air District operational threshold for land use projects by comparing this project to Threshold Option A, as defined in Table 5-3. GHG emissions generated by the project therefore would not be considered significant under CEQA and adverse under NEPA if the following criteria were met:

- Incorporates BMPs to reduce construction emissions.
- Consistent with the Air District land use design elements (Threshold Option A in Table 5-3).

This analysis also discusses the project's compliance with regulatory programs designed to reduce GHG emissions. Applicable plans adopted for the purpose of reducing GHG emissions are the *2022 Scoping Plan*, *Plan Bay Area 2050*, and *2017 Clean Air Plan*.

5.3.3 Impacts

5.3.3.1 CCEQA No-Project/Existing Conditions Alternative and NEPA No-Action Alternative

Under the CEQA No-Project/Existing Conditions Alternative, the CEQA Proposed Project, and the CEQA Reduced Density Alternative would not be constructed. The on-site buildings that are currently operational would continue to be operational. There would be no changes to GHG emissions in the study area beyond emissions from already-planned construction and development, such as the planned adjacent housing project. Because the project would not be implemented, no construction activity or emissions would occur because of the project. The on-site buildings that are currently operational would continue to be operational and generate GHG emissions.

Under the NEPA No-Action Alternative, the proposed action would not be constructed and operated at the Project Site. However, the on-site buildings that are currently operational would continue to be operational, and the on-site buildings that are currently vacant would be reoccupied. This analysis assumes that reoccupying the existing buildings would not require construction activity

Table 5-4 shows the CEQA No-Project/Existing Conditions Alternative and future NEPA No-Action Alternative emissions. An impact would occur if the CEQA No-Project/Existing Conditions Alternative or NEPA No-Action Alternative would result in substantial GHG emissions or conflict with GHG reduction plans, including the *2022 Scoping Plan*, *Plan Bay Area*, and *2017 Clean Air Plan.*

Table 5-4. Estimated GHG Emissions under Existing Conditions and NEPA No-Action Alternative[a]

Source	CO_2	CH_4	N_2O	HFC	CO_2e
CEQA No-Project/Existing Conditions Alternative (existing 2024)					

Source	CO_2	CH_4	N_2O	HFC	CO_2e
Mobile	114	< 1	< 1	< 1	116
Area	1	< 1	< 1	0	1
Energy	48	< 1	< 1	0	48
Water	4	< 1	< 1	0	16
Waste	5	< 1	0	0	16
Fugitive	0	0	0	< 1	< 1
Vegetation[b]	-17	0	0	0	-17
Total	154	1	< 1	1	180
NEPA No-Action Alternative (2040)					
Mobile	955	< 1	< 1	< 1	968
Area	3	< 1	< 1	0	3
Energy	251	< 1	< 1	0	251
Water	7	1	< 1	0	30
Waste	20	2	0	0	71
Fugitive	0	0	0	186	186
Vegetation[b]	-17	0	0	0	-17
Total	1,219	3	< 1	186	1,492

Source: Appendix A

Note: As noted in Section 5.3.1, *Methods*, CARB has not published GHG adjustment factors for EMFAC2021 to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. Application of the adjustment factors across all operational air quality analyses for the project resulted in a less than 1 percent to 22 percent increase in mobile-source emissions, depending on the analysis year and pollutant (i.e., ROG, NO_X, or PM). It is reasonable to conclude removal of the regulations may affect estimated GHG emissions by the same magnitude.

[a.] Values are rounded to the nearest whole number.

[b.] Sequestration benefits from 227 trees. These trees would be removed under the project, but under the CEQA No-Project/Existing Conditions Alternative or NEPA No-Action Alternative, they would remain and continue to sequester GHGs. Emissions results are annualized over a 40-year tree lifetime.

CH_4 = methane; CO_2 = carbon dioxide; CO_2e = carbon dioxide equivalent; HFCs = hydrofluorocarbons; N_2O = nitrous oxide

Without the proposed project, the existing Project Site would remain underutilized and underdeveloped. This would conflict with transportation goals of *2022 Scoping Plan*, *Plan Bay Area*, and *2017 Clean Air Plan*, which target investment in transit priority sites, such as the Project Site. Existing buildings would continue to use natural gas and investment in EV charging infrastructure would not be made. Thus, the CEQA No-Project/Existing Conditions Alternative and NEPA No-Action Alternative would conflict with State and regional GHG reduction plans and would not contribute to long-term emission reduction goals.

5.3.3.2 CEQA Proposed Project (NEPA Build Alternative 1)

Project-Level Impacts

Impact GHG-1. Generate Greenhouse Gas Emissions, Either Directly or Indirectly, That May Have a Significant Impact on the Environment

Construction

Construction of the CEQA Proposed Project would generate GHG emissions through the use of heavy-duty construction equipment, construction workers' vehicle trips, on-road truck trips, and electricity consumption. Emissions from these sources were calculated using the methods described in Section 5.3.1.1, *Construction*. Table 5-5 summarizes the results of the modeling. The table presents emissions with and without implementation of Mitigation Measure AQ-1.[44] Emissions are presented for each year of construction to capture the sum of emissions from the multiple activity categories occurring within the same year. Emissions are not compared to a numeric threshold because neither the Air District nor NASA have adopted construction-related GHG thresholds. As discussed in Section 5.3.2, *Thresholds of Significance*, the significance of construction-generated GHG emissions is qualitatively assessed based on implementation of BMPs.

Table 5-5. Estimated GHG Emissions from Construction of the CEQA Proposed Project (metric tons)[a]

Year	Unmitigated					With Air Quality Mitigation[b]				
	CO_2	CH_4	N_2O	HFC	CO_2e	CO_2	CH_4	N_2O	HFC	CO_2e
2026	1,477	< 1	< 1	1	1,515	1,415	< 1	< 1	1	1,453
2027	3,897	< 1	< 1	1	3,941	3,258	< 1	< 1	1	3,300
2028	4,113	< 1	< 1	1	4,154	2,986	< 1	< 1	1	3,023
2029	3,949	< 1	< 1	1	3,989	2,759	< 1	< 1	1	2,795
2030	2,507	< 1	< 1	1	2,543	1,806	< 1	< 1	1	1,840
2031	6,793	< 1	< 1	1	6,846	5,074	< 1	< 1	1	5,121
2032	9,377	< 1	< 1	1	9,438	6,527	< 1	< 1	1	6,579
2033	4,988	< 1	< 1	1	5,034	3,115	< 1	< 1	1	3,154
2034	5,044	< 1	< 1	1	5,120	3,990	< 1	< 1	1	4,063
2035	5,090	< 1	< 1	< 1	5,140	3,891	< 1	< 1	< 1	3,937

[44] The construction air quality analysis also requires Mitigation Measures AQ-2 through AQ-4 and GHG-1. Mitigation Measure AQ-3 requires fugitive dust control, and Mitigation Measure AQ-3 requires low-VOC paints. Neither measure would reduce GHG emissions. Although Mitigation Measure AQ-2 would reduce GHG emissions from fossil fuel vehicles, reductions are not specifically quantified because the measure establishes fleetwide performance standards, as opposed to individual vehicle mandates. Thus, construction contractors have flexibility in meeting the standards and can select various combinations of ZEVs and fossil-fuel vehicles across their fleets based on commercial availability and cost effectiveness. Mitigation Measure GHG-1 is discussed further in this section, although emissions benefits are not fully quantified in the table. This is because specific details required to quantify emissions reductions from most BMPs are not currently available or known. For example, the measure outlines standards for the use of equipment, based on the availability of grid power at the time of construction, which cannot be currently known. Another BMP promotes carpooling, which is something the Project Proponent can encourage but not enforce; thus, the exact penetration of the BMP is not known. The analysis of Mitigation Measure GHG-1 includes benefits from off-road engine electrification, use of Tier 4 Final engines, and use of renewable diesel.

Year	Unmitigated					With Air Quality Mitigation[b]				
	CO_2	CH_4	N_2O	HFC	CO_2e	CO_2	CH_4	N_2O	HFC	CO_2e
2036	2,525	< 1	< 1	< 1	2,562	1,698	< 1	< 1	< 1	1,731
2037	6,139	< 1	< 1	< 1	6,215	4,708	< 1	< 1	< 1	4,780
2038	6,423	< 1	< 1	< 1	6,478	4,564	< 1	< 1	< 1	4,612
2039	2,479	< 1	< 1	< 1	2,498	1,305	< 1	< 1	< 1	1,320
Total	64,800	3	2	8	65,472	47,098	2	2	8	47,709

Source: Appendix A

Note: As noted in Section 5.3.1, *Methods*, CARB has not published GHG adjustment factors for EMFAC2021 to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. Application of the ROG, NO_X, and PM adjustment factors across all construction air quality analyses for the project resulted in a less than 1 percent increase in affected emissions, due largely to the fact that construction emissions are generated primarily by off-road equipment. It is reasonable to conclude removal of the regulations may affect estimated GHG emissions by the same magnitude.

a. Values are rounded to the nearest whole number.

b. Emissions results include implementation of Mitigation Measure AQ-1 (Mitigation Measure AQ-2 is not quantified; Mitigation Measure GHG-1 is partially quantified [off-road engine controls]).

CH_4 = methane; CO_2 = carbon dioxide; CO_2e = carbon dioxide equivalent; HFCs = hydrofluorocarbons; N_2O = nitrous oxide

As shown in Table 5-5, it is estimated that construction of the CEQA Proposed Project would generate approximately 47,709 metric tons CO_2e over the entire construction period (including air quality mitigation). The emissions generated during construction would result primarily from the use of diesel-powered construction equipment (e.g., excavators) and on-road vehicles (e.g., haul trucks, workers' vehicles). Construction emissions would cease once construction of the project is complete and, therefore, are considered short term. As discussed in Section 5.3.2, *Threshold of Significance*, the Air District recommends BMPs to minimize construction GHG emissions. Mitigation Measure GHG-1 outlines the Air Districts BMPs that would be implemented to reduce construction GHG emissions. Mitigation Measures AQ-1 and AQ-2 support compliance with the Air District's BMPs for off-road equipment and on-road vehicles, and these measures are also required.

Full Operations

Operation of the CEQA Proposed Project would generate GHG emissions from mobile, energy, area, water, waste, stationary, and fugitive sources. Tree removal and planting would result in emissions changes from carbon sequestration and storage. Emissions from these sources were quantified according to the methods summarized in Section 5.3.1.2, *Operation.* The results of the modeling are summarized in Table 5-6. Emissions were modeled under 2040 full-build conditions, which assumes all buildings developed under the project are fully occupied immediately following construction. The table presents emissions with and without implementation of Mitigation Measures AQ-6 and TRAN-1, which are required to address air quality impacts, as discussed in Section 3.3.3.2 (Mitigation Measure AQ-5 would not reduce operational GHG emissions).

Table 5-6 also presents total emissions under the CEQA No Project Alternative (existing conditions, 2024) conditions and the NEPA No-Action Alternative (2040); refer to Table 5-4 for additional detail. The net increase in operational emissions from the CEQA Proposed Project under CEQA is determined by subtracting existing (2024) operational emissions from the project's estimated operational emissions at full buildout. The net increase in operational emissions under NEPA is determined by subtracting operational emissions from NEPA No-Action Alternative from the project's estimated operational emissions at full buildout. Net emissions are not compared to a numeric threshold. As discussed in Section 5.3.2, *Thresholds of Significance*, the significance of

operations-generated GHG emissions is qualitatively assessed based on consistency with the Air District's land use design elements.

Table 5-6. Estimated GHGs Emissions from Operation of the CEQA Proposed Project (metric tons)[a]

	Unmitigated					With Air Quality Mitigation[b]				
Source	CO_2	CH_4	N_2O	HFC	CO_2e	CO_2	CH_4	N_2O	HFC	CO_2e
Project (2040)										
Mobile	16,813	1	1	4	17,023	15,552	1	1	4	15,747
Area	50	< 1	< 1	0	50	0	0	0	0	0
Energy	55	< 1	< 1	0	55	55	< 1	< 1	0	55
Water	20	2	< 1	0	85	20	2	< 1	0	85
Waste	657	66	0	0	2,298	657	66	0	0	2,298
Fugitive	0	0	0	179	179	0	0	0	179	179
Stationary	459	< 1	< 1	0	461	459	< 1	< 1	0	461
Vegetation[c]	-78	0	0	0	-78	-78	0	0	0	-78
Total	17,975	68	1	183	20,072	16,665	68	1	182	18,746
CEQA No-Project/Existing Conditions Alternative (2024)[d]	154	1	< 1	1	180	154	1	< 1	1	180
NEPA No-Action Alterantive (2040)[d]	1,219	3	0	186	1,492	1,219	3	< 1	186	1,492
Net Change										
CEQA[e]	17,821	67	1	182	19,892	16,511	67	1	182	18,566
NEPA[f]	16,757	65	1	-3	18,581	15,446	65	1	-4	17,254

Source: Appendix A

Note: As noted in Section 5.3.1, *Methods*, CARB has not published GHG adjustment factors for EMFAC2021 to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. Application of the adjustment factors across all operational air quality analyses for the project resulted in a less than 1 percent to 22 percent increase in mobile-source emissions, depending on the analysis year and pollutant (i.e., ROG, NO_X, or PM). It is reasonable to conclude removal of the regulations may affect estimated GHG emissions by the same magnitude.

a. Values are rounded to the nearest whole number.

b. Emissions results include implementation of Mitigation Measures AQ-6 and TRAN-1, which are required to address air quality impacts.

c. Sequestration benefits from the project planting of 1,283 trees. Emissions results are annualized over a 40-year tree lifetime.

d. Refer to Table 5-4 for emissions by source.

e. Total project (2040) emissions minus total existing (2024) emissions.

f. Total project (2040) emissions minus total No-Build (2040) emissions.

CO_2 = carbon dioxide; CO_2e = carbon dioxide equivalent; CH_4 = methane; N_2O = nitrous oxide; HFCs = hydrofluorocarbons.

The Air District's land use design elements are established to ensure that projects meet their "fair share" contribution and help the State meet its long-term climate goals (SB 32 and AB 1279). These design elements and metrics include prohibiting natural gas infrastructure in the project design, avoiding wasteful electricity, promoting EV use and charging consistent with CALGreen Tier 2 requirements, and, reducing VMT in accordance with the Scoping Plan. Table 5-7 analyzes the consistency of the CEQA Proposed Project with the Air District's land use design elements.

Table 5-7. CEQA Proposed Project Consistency with the Air District's Land Use Design Elements (Option A)

Sector	Air District Threshold Option A (refer to Table 5-3)	Project Consistency
Buildings	a) The project will not include natural gas appliances or natural gas plumbing (in both residential and nonresidential development).	**Consistent.** Future tenants may use various gases to support research. It is not known what gases would be used as part of future research activities. If natural gas is used in future research, it would be combusted in small quantities in tabletop research burners. The project would not install any natural gas appliances—rather, the project would utilize all-electric design for new building systems (e.g., HVAC, mechanical). Moreover, no new natural gas plumbing would be installed by the project. As such, the project meets the Air District's design element in that it would not include natural gas appliances or natural gas plumbing.
	b) The project will not result in any wasteful, inefficient, or unnecessary electrical usage, as determined by the analysis required under CEQA Section 21100(b)(2) and Section 15126.2(b) of the State CEQA Guidelines.	**Consistent.** The project would achieve, at a minimum, a LEED Silver rating. The project design promotes energy efficiency by optimizing thermal comfort through passive cooling, windbreaks, and prioritizing daylight within floor plates buildings and outdoor spaces. These passive design strategies take advantage of the project's location and relatively mild climate to help naturally regulate building temperatures and ventilation. The project would also utilize all-electric design for new building systems (e.g., HVAC, mechanical). Finally, the project would install photovoltaic systems to generate on-site renewable energy. As such, the project would not waste energy or use energy in an inefficient or unnecessary manner; it would be consistent with this Air District design element.
Transportation	a) Achieve compliance with electric-vehicle requirements in the most recently adopted version of CALGreen Tier 2.	**Consistent.** The proposed project would meet the applicable CALGreen Tier 2 nonresidential voluntary requirement (i.e., 45 percent of all spaces to be EV capable and 33 percent of the EV spaces to have electric-vehicle supply equipment). As such, the proposed project would be consistent with this Air District design element.
Transportation	b) Achieve a reduction in project-generated vehicle miles traveled (VMT) to a level below the regional	**Consistent with Mitigation Measure TRAN-1.** Consistent with the transportation impact analysis, this

Sector	Air District Threshold Option A (refer to Table 5-3)	Project Consistency
	average, consistent with the current version of the California Climate Change Scoping Plan, or meet a locally adopted SB 743 VMT target, reflecting the recommendations provided in the Governor's Office of Planning and Research Technical Advisory on Evaluating Transportation Impacts in CEQA: i. Residential projects: 15 percent below the existing VMT per capita, ii. Office projects: 15 percent below the existing VMT per employee, and iii. Retail projects: no net increase in existing VMT	analysis uses "total VMT per service population" rather than separate per capita and per employee metrics to account for all the VMT generated by the project and better capture the interaction and trip internalization between the various project components. The estimated total VMT per service population for the Bay Area region under 2024 (Existing) conditions is estimated to be 22.3. Thus, the threshold of significance, which is 15 percent below the existing total VMT per service population for the Bay Area region, is 19.0 (Fehr & Peers 2025). The proposed project would develop mixed-use, research, and education uses in a transit priority area with well-connected bicycle and pedestrian infrastructure, thereby reducing the demand for travel by single-occupancy vehicles. The proposed project would include a project-specific TDM plan to reduce the vehicle trips and associated VMT generated by the proposed project through a range of design features. The 22 percent TDM reduction aligns with the TDM requirements in the 2002 PEIS. However, total VMT per service population is estimated to be 20.3, which is above the threshold of significance of 19.0. Mitigation Measure TRAN-1 would require implementation of a mitigated TDM Plan, which would achieve up to a 31 percent reduction and meet the mitigation requirements of 29 percent under the CEQA Proposed Project. With Mitigation Measure TRAN-1, regional VMT for the CEQA Proposed Project would be reduced by 29 percent compared to existing conditions and achieve the regional per service population threshold of 19.0. (Fehr & Peers 2025.) The proposed project would therefore be consistent with this Air District design element with Mitigation Measure TRAN-1.

EV = electric vehicle; HVAC = heating, ventilation, and air-conditioning; LEED = Leadership in Energy and Environmental Design; TDM = transportation demand management; VMT = vehicle miles traveled

Conclusion

The Project Proponent would implement Mitigation Measures GHG-1, AQ-1, and AQ-2 during construction to reduce GHG emissions, including measures to use ZEV and electrify off-road equipment. Table 5-7 demonstrates that the CEQA Proposed Project meets all Air District operational land use design elements with Mitigation Measure TRAN-1, and the project would be consistent with Air District Threshold Option A. Accordingly, neither construction nor operation of the CEQA Proposed Project would result in a cumulatively considerable contribution to global climate change.

Mitigation Measure GHG-1. Best Management Practices for Construction-Related GHG Emissions

All project contractor(s) shall comply with the Air District's current best management practices (BMPs) for construction-related GHG emissions. The Air District's current BMPs are drawn from their 2023 CEQA Guidelines, Table 6-1, and are identified below, as applicable. Where relevant, air quality mitigation that requires actions equal to or greater than the recommended BMPs are referenced in place of the specific BMP language. The requirement to comply with the control measures included in this mitigation will be identified in construction bids.

- Per Mitigation Measure AQ-1, use zero-emission and hybrid-powered equipment. Require Tier 4 Final compliant engines and renewable diesel for remaining diesel off-road equipment. Prohibit off-road diesel-powered equipment from being in the "on" position for more than 10 hours per day.
- Minimize diesel equipment idling time either by shutting equipment off when not in use or reducing the time of idling to no more than 2 minutes (A 5-minute limit is required by the state airborne toxics control measure [Title 13, Sections 2449(d)(3) and 2485 of the California Code of Regulations]). Provide clear signage that posts this requirement for workers at the entrances to the site and develop an enforceable mechanism to monitor idling time to ensure compliance with this measure.
- Require all construction equipment is maintained and properly tuned in accordance with manufacturer's specifications. Equipment should be checked by a certified mechanic and determined to be running in proper condition prior to operation.
- Require compliance with Mitigation Measure AQ-2 regarding use of zero-emission on-road vehicles during construction, including vehicles used for deliveries and hauling.
- Implement the TDM Plan and comply with the expanded requirements per Mitigation Measure TRAN-1.
- Where grid power is available, provide electrical hook ups for electric construction tools, such as saws, drills and compressors, and using electric tools whenever feasible. Prioritize the use of use alternative fuels, such as propane or solar electrical power where feasible, for generators at construction sites.
- Reduce electricity use in the construction office by using efficient lighting technologies, including, but not limited, to LED technology, powering off computers every day, and utilizing efficient heating and cooling units.

- Use locally sourced or recycled materials for construction as commercially and financially available and feasible at the time of construction. Wood products used should be certified through a sustainable forestry program.
- Use low-carbon concrete, minimize the amount of concrete used and produce concrete on-site if it is more efficient and lower emitting than transporting ready-mix, as commercially and financially available and feasible at the time of construction.
- Develop a plan to efficiently use water for adequate dust control since substantial amounts of energy can be consumed during the pumping of water.

Mitigation Measure AQ-1. Electric Equipment and Emissions Controls for Off-Road Diesel Engines during Construction

See measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*, under Impact CEQA-AIR-2.

Mitigation Measure AQ-2. Zero-Emission On-Road Vehicles during Construction

See measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*, under Impact CEQA-AIR-2.

Mitigation Measure TRAN-1. Require a Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Impact GHG-2. Conflict with an Applicable Plan, Policy or Regulation Adopted for the Purpose of Reducing the Emissions of Greenhouse Gases

2022 Scoping Plan (Senate Bill 32 and Assembly Bill 1279)

SB 32 outlines the State's GHG emissions reduction targets for 2030. AB 1279 sets a more ambitious State goal of net-zero GHG emissions by 2045 and an 80 percent reduction in anthropogenic emissions from 1990 levels by 2045.

CARB's *2022 Scoping Plan* assesses progress toward the statutory 2030 target while laying out a path to achieving carbon neutrality no later than 2045. It outlines the main strategies for achieving the SB 32 GHG reduction target (i.e., reduce GHG emissions to at least 40 percent below 1990 levels by 2030), achieving carbon neutrality by 2045, and reducing anthropogenic emissions to 85 percent below 1990 levels (CARB 2022a). Appendix D to CARB's *2022 Scoping Plan*, Local Actions, identifies key project attributes that empirical evidence has shown to reduce operational GHG emissions while simultaneously advancing fair housing. CARB (2022a) concludes that "[r]esidential and mixed-use projects that have all of the key project attributes in Table 3 [Key Residential and Mixed-Use Project Attributes that Reduce GHGs] should accommodate growth in a manner consistent with State GHG reduction and equity prioritization goals." Table 5-8 evaluates consistency of the CEQA Proposed Project with the scoping plan–identified key project attributes.

Table 5-8. CEQA Proposed Project Consistency with CARB 2022 Scoping Plan Key Project Attributes

Sector	Scoping Plan Project Attribute	Project Consistency
Transportation Electrification	Provides EV charging infrastructure that, at a minimum, meets the most ambitious voluntary standard in the California Green Building Standards Code at the time of project approval.	**Consistent.** See Table 5-7. The CEQA Proposed Project meets the CALGreen Tier 2 nonresidential voluntary requirement and would be consistent with this attribute.
VMT Reduction	Is located on infill sites that are surrounded by existing urban uses and reuses or redevelops previously undeveloped or underutilized land that is presently served by existing utilities and essential public services (e.g., transit, streets, water, sewer).	**Consistent**. The CEQA Proposed Project includes mixed-use infill development in an existing urbanized area, thereby supporting local, regional, and State mobility and GHG reduction objectives to reduce VMT and infrastructure costs. As such, the project would be consistent with this attribute.
	Does not result in the loss or conversion of natural and working lands.	**Consistent**. The Project Site is in an existing urbanized area and currently occupied by buildings and parking lots. As such, the project would not result in the loss or conversion of natural or working lands. The CEQA Proposed Project would remove approximately 227 existing trees during construction and plant approximately 1,283 new trees, resulting in a net addition of approximately 1,056 trees. As such, the project would be consistent with this attribute.
	Consists of transit-supportive densities (minimum of 20 residential dwelling units per acre) or is in proximity to existing transit stops (within a half mile) or satisfies more detailed and stringent criteria specified in the region's SCS.	**Consistent**. The site is within 0.50-mile of the Bayshore/NASA VTA light rail station and is within walking and biking distance. As such, the project would be consistent with this attribute because it is proximate to existing transit stops (within a half mile).
	Reduces parking requirements by eliminating parking requirements or including maximum allowable parking ratios (i.e., the ratio of parking spaces to residential units or square feet) or providing a residential parking supply at a ratio of less than one parking space per dwelling unit or, for multi-family residential development, requiring parking costs to be unbundled from costs to rent or own a residential unit.	**Consistent**. Minimum parking requirements in the local zoning ordinance are not applicable to the project. The project would provide automobile parking at the maximum ratios established in the Berkeley Space Center Development Guidelines. The Development Guidelines establish a maximum of 1.5 spaces per 1,000 square feet for office and research uses. By comparison, the ITE *Parking Generation* includes an average peak parking demand of 1.95 parking spaces per 1,000 square feet for office uses. The project maximum parking ratio is also lower than the typical parking demand for single-use sites in suburban settings where minimal non-automobile infrastructure is available (Fehr & Peers 2025). The project

Sector	Scoping Plan Project Attribute	Project Consistency
		is a nonresidential project. The proposed Student/Faculty Housing would be used by UC students or faculty on a short-term basis (i.e., academic calendar year, semester, or summer). For these units, the Development Guidelines establish a maximum of 1.0 parking space per unit. In comparison, the ITE *Parking Generation* includes an average peak parking demand of 1.23 to 1.27 parking spaces per unit for suburban multifamily developments.
	At least 20 percent of units included are affordable to lower-income residents.	**N/A**. The project is a nonresidential project. The proposed Student/Faculty Housing would be used by UC students or faculty on a short-term basis (i.e., academic calendar year, semester, or summer). Housing would prioritize the UC students and faculty affiliated with the CEQA Proposed Project or the CEQA Reduced Density Alternative as well as on-site federal employees and student interns, per the Project Proponent's Enhanced Use Lease requirements. A minimum of 10 percent of the Student/Faculty Housing units would be affordable (i.e., affordable to households with 80 percent of Area Median Income, as adjusted for household size). These priorities serve to reduce VMT, consistent with Scoping Plan goals. The units would not be available on the public housing market. This attribute does not apply to the project.
	Results in no net loss of existing affordable units.	**Consistent**. The Project Site is currently occupied by office, military, recreation, and industrial buildings and parking lots. The project would therefore not result in a net loss in existing affordable units and would be consistent with this attribute.
Building Decarbonization	Uses all-electric appliances without natural gas connections and does not use propane or other fossil fuels for space heating, water heating, or indoor cooking.	**Consistent.** See Table 5-7. The CEQA Proposed Project would build all-electric buildings; natural gas would not be used for space heating, water heating, or indoor cooking. As such, the project would be consistent with this attribute.

EV = electric vehicle; HVAC = heating, ventilation, and air-conditioning; LEED = Leadership in Energy and Environmental Design; TDM = transportation demand management; VMT = vehicle miles traveled

Table 5-8 demonstrates that the CEQA Proposed Project would incorporate all scoping plan–identified key project attributes. The project's consistency with the scoping plan–identified key project attributes provides further evidence that the project would not conflict with implementation

of CARB's *2022 Scoping Plan* or attainment of the statewide GHG targets for 2030 and 2045 mandated by SB 32 and AB 1279, respectively. As such, the CEQA Proposed Project aligns with the GHG emissions reduction strategies outlined in CARB's *2022 Scoping Plan*.

Plan Bay Area

Plan Bay Area is consistent with SB 375, which requires MTC and ABAG to adopt an SCS that outlines policies to reduce per capita GHG emissions from automobiles and light trucks. Environment and transportation are two of four elements discussed in MTC's *Plan Bay Area*. Both elements comprise a set of strategies that aim to reduce both VMT and GHG emissions. The strategies include a mix of measures that encourage compact growth patterns, alternative transportation, transit, mobility and access, network expansion, and transportation investment.

The CEQA Proposed Project would improve conditions for walking and biking by providing on-street bicycle racks and long-term bicycle storage for students and workers, as well as orienting buildings to be sidewalk facing with multiple pedestrian entrances. The project is an infill development that would involve redevelopment and densification of the site. The Project Site is identified by MTC (2024) as a Transit Priority Area because of its proximity to the Bayshore/NASA VTA light rail station. Investing in transit priority sites will help achieve the climate and equity goals of *Plan Bay Area 2050* (Metropolitan Transportation Commission and Association of Bay Area Governments 2024). Overall, the CEQA Proposed Project would incorporate TDM features, which would reduce trip generation by at least 22 percent (Fehr & Peers 2025). Mitigation Measure TRAN-1 would require implementation of a mitigated TDM plan with additional TDM measures to further reduce trips and VMT. With implementation of Mitigation Measure TRAN-1, the CEQA Proposed Project meets the per service population VMT reduction target of 15 percent below the Bay Area average, which is designed to meet statewide VMT and emission reduction goals (Fehr & Peers 2025). As such, the CEQA Proposed Project aligns *Plan Bay Area*.

2017 Clean Air Plan

The Air District's 2017 Clean Air Plan contains the following primary GHG goal:

- **Protect the Climate**. Reduce Bay Area GHG emissions to 40 percent below 1990 levels by 2030 and 80 percent below 1990 levels by 2050.

Attaining this goal will require aggressive and rapid decarbonization across the San Francisco Bay Area. The CEQA Proposed Project is designed around the concept of sustainability and will directly support long-term regional emission reductions by developing energy-efficiency and resilient buildings and infrastructure. As discussed above, all buildings will achieve a minimum LEED Silver rating, incorporate passive climate design features, and exclude any natural gas connections for buildings operations. The project also would install photovoltaic systems as a strategy for generating power on-site and offsetting the energy use from each proposed building. The project is strategically located near transit and includes numerous TDM elements that will support active and alternative transportation. Beyond energy and transportation, The CEQA Proposed Project incorporates features to conserve water, reduce waste, and increase urban tree planting. Collectively, the project design features align with larger regional and State strategies to reduce GHG emissions, as evidenced by the analyses presented above. The CEQA Proposed Project is consistent with Air District Threshold Option A with implementation of Mitigation Measure TRAN-1 and thus directly supports implementation of the 2017 Clean Air Plan and regional attainment of long-term climate goals.

Conclusion

The CEQA Proposed Project would be consistent with CARB's 2022 Scoping Plan–identified key project attributes applicable to the project. With implementation of Mitigation Measure TRAN-1, the project would comply with *Plan Bay Area*, the applicable regional plan for reducing mobile-source emissions in the San Francisco Bay Area. The CEQA Proposed Project would also support the *2017 Clean Air Plan*. Therefore, the CEQA Proposed Project would not conflict with State, regional, or local plans designed to achieve the GHG reduction goals mandated by SB 32 and AB 1279 for 2030 and 2045, respectively.

Cumulative Impacts

Climate change is a global problem, and GHG impacts are inherently cumulative. This is because GHGs contribute to global climate change, regardless of where they are emitted. Climate change is the result of the individual contributions of countless past, present, and future sources. Thus, the analysis and conclusions presented above under *Project-Level Impacts* characterize the cumulative impacts of the CEQA Proposed Project.

Mitigation Measure TRAN-1. Require a Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

5.3.3.3 CEQA Proposed Project with WRF Option (NEPA Build Alternative 1 with WRF Option)

Project-Level Impacts

Impact GHG-1. Generate Greenhouse Gas Emissions, Either Directly or Indirectly, That May Have a Significant Impact on the Environment

Construction

Construction of the WRF in 2037 and 2038 would require additional off-road equipment and on-road vehicles beyond what is required for construction of the CEQA Proposed Project, resulting in additional short-term emissions during these years. Table 5-9 summarizes estimated emissions for the CEQA Proposed Project with the WRF Option. The table presents emissions with and without implementation of Mitigation Measure AQ-1. Only emissions during 2037 and 2038 would differ from the CEQA Proposed Project. However, emissions for all construction years are included in the tables to enable a total emissions summation.

Table 5-9. Estimated GHGs Emissions from Construction of the CEQA Proposed Project (metric tons) with the WRF Option[a]

	Unmitigated					With Air Quality Mitigation[c]				
Year[b]	CO_2	CH_4	N_2O	HFC	CO_2e	CO_2	CH_4	N_2O	HFC	CO_2e
2026	1,477	< 1	< 1	1	1,515	1,415	< 1	< 1	1	1,453
2027	3,897	< 1	< 1	1	3,941	3,258	< 1	< 1	1	3,300
2028	4,113	< 1	< 1	1	4,154	2,986	< 1	< 1	1	3,023

	Unmitigated					With Air Quality Mitigation[c]				
Year[b]	CO_2	CH_4	N_2O	HFC	CO_2e	CO_2	CH_4	N_2O	HFC	CO_2e
2029	3,949	< 1	< 1	1	3,989	2,759	< 1	< 1	1	2,795
2030	2,507	< 1	< 1	1	2,543	1,806	< 1	< 1	1	1,840
2031	6,793	< 1	< 1	1	6,846	5,074	< 1	< 1	1	5,121
2032	9,377	< 1	< 1	1	9,438	6,527	< 1	< 1	1	6,579
2033	4,988	< 1	< 1	1	5,034	3,115	< 1	< 1	1	3,154
2034	5,044	< 1	< 1	1	5,120	3,990	< 1	< 1	1	4,063
2035	5,090	< 1	< 1	< 1	5,140	3,891	< 1	< 1	< 1	3,937
2036	2,525	< 1	< 1	< 1	2,562	1,698	< 1	< 1	< 1	1,731
2037	6,760	< 1	< 1	< 1	6,838	4,935	< 1	< 1	< 1	5,007
2038	6,706	< 1	< 1	< 1	6,761	4,656	< 1	< 1	< 1	4,705
2039	2,479	< 1	< 1	< 1	2,498	1,305	< 1	< 1	< 1	1,320
Total	65,702	3	2	8	66,378	47,416	2	2	8	48,029

Source: Appendix A

Note: As noted in Section 5.3.1, *Methods*, CARB has not published GHG adjustment factors for EMFAC2021 to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. Application of the ROG, NO_X, and PM adjustment factors across all construction air quality analyses for the project resulted in a less than 1 percent increase in affected emissions, due largely to the fact that construction emissions are generated primarily by off-road equipment. It is reasonable to conclude removal of the regulations may affect estimated GHG emissions by the same magnitude.

a. Values are rounded to the nearest whole number.

b. The WRF would be constructed in 2037 and 2038. Emissions during all other construction years would be the same as the CEQA Proposed Project; they are included in the table to enable a total emissions summation.

c. Emissions results include implementation of Mitigation Measure AQ-1 (Mitigation Measure AQ-2 is not quantified and Mitigation Measure GHG-1 is partially quantified [off-road engine controls]).

CH_4 = methane; CO_2 = carbon dioxide; CO_2e = carbon dioxide equivalent; HFCs = hydrofluorocarbons; N_2O = nitrous oxide

Table 5-9 indicates that construction of the CEQA Proposed Project with the WRF Option would generate approximately 48,029 metric tons CO_2e over the entire construction period (inclusive of air quality mitigation). Construction of the WRF would generate slightly more emissions than the CEQA Proposed Project due to additional equipment and vehicles. The implementation of BMPs would not change with the WRF Option, and Mitigation Measures GHG-1, AQ-1, and AQ-2 would be implemented to reduce GHG emissions.

Full Operations

Except for stationary and water sources, operational emissions under the CEQA Proposed Project with the WRF Option would be the same as presented in Table 5-6 for the CEQA Proposed Project. One additional emergency generator would be maintained to support the WRF. The WRF would also consume a small amount of water for system backwashing/flushing. The generator and additional water consumption would result in 38 metric tons CO_2e per year. When added to unmitigated emissions estimated for the CEQA Proposed Project (Table 5-6), operation of the CEQA Proposed Project with the WRF Option would result in 20,111 metric tons CO_2e per year, which is a net change of 19,931 metric tons CO_2e relative to existing conditions or 18,619 metric tons CO_2e relative to the NEPA No-Action Alternative. When air quality mitigation is considered, the CEQA Proposed Project with the WRF Option would result in a net change of 18,604 metric tons CO_2e relative to existing conditions or 17,293 metric tons CO_2e relative to the NEPA No-Action Alternative.

As discussed in Section 5.3.2, *Thresholds of Significance*, the significance of operations-generated GHG emissions is qualitatively assessed based on consistency with the Air District's land use design elements. Implementation of the WRF would not change the consistency findings of the CEQA Proposed Project with respect to the Air District's land use design elements (see Table 5-7 in Section 5.3.3.2). Compared to the CEQA Proposed Project, the WRF Option would reuse water on-site, which in turn reduces the need to transport water over long distances and associated energy consumption (although this benefit is not quantitatively modeled). The WRF would not alter EV parking design or, with implementation of Mitigation Measure TRAN-1, affect the ability of the project to achieve a per service population VMT of 19.0, which equates to 15 percent below the existing total VMT per service population for the Bay Area.

Conclusion

Overall, there would be no difference in the impact conclusion with or without the WRF. Mitigation Measures GHG-1, AQ-1, and AQ-2 would be implemented during construction to reduce GHG emissions, and the WRF would meet all Air District operational land use design elements with implementation of Mitigation Measure TRAN-1. Accordingly, neither construction nor operation of the CEQA Proposed Project with the WRF would result in a cumulatively considerable contribution to global climate change.

Mitigation Measure GHG-1. Best Management Practices for Construction-Related GHG Emissions

Refer to measure description in Section 5.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*.

Mitigation Measure AQ-1. Electric Equipment and Emissions Controls for Off-Road Diesel Engines during Construction

See measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*, under Impact CEQA-AIR-2.

Mitigation Measure AQ-2. Zero-Emission On-Road Vehicles during Construction

See measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*, under Impact CEQA-AIR-2.

Mitigation Measure TRAN-1. Require a Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Impact GHG-2. Conflict with an Applicable Plan, Policy or Regulation Adopted for the Purpose of Reducing the Emissions of Greenhouse Gases

Overall, there would be no difference in the impact mechanism or conclusion with or without the WRF. The same sustainability strategies described above for the CEQA Proposed Project would be implemented, as well as Mitigation Measure TRAN-1. Compared to the CEQA Proposed Project, the WRF Option would further support GHG reduction plans by reusing water on-site, which in turn reduces the need to transport water over long distances and associated energy consumption (although this benefit is not quantitatively modeled). Ultimately, the WRF would not conflict with State, regional, or local plans designed to achieve the GHG reduction goals mandated by SB 32 and AB 1279 for 2030 and 2045.

Mitigation Measure TRAN-1. Require a Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Cumulative Impacts

Climate change is a global problem, and GHG impacts are inherently cumulative. This is because GHGs contribute to global climate change, regardless of where they are emitted. Climate change is the result of the individual contributions of countless past, present, and future sources. Thus, the analysis and conclusions presented above under *Project-Level Impacts* characterize the cumulative impacts of the CEQA Proposed Project with the WRF.

5.3.3.4 CEQA Proposed Project with CUP Option (NEPA Build Alternative 1 with CUP Option)

Project-Level Impacts

Impact GHG-1. Generate Greenhouse Gas Emissions, Either Directly or Indirectly, That May Have a Significant Impact on the Environment

Construction

Construction of the CUP in 2034 and 2035 would require additional off-road equipment and on-road vehicles beyond what is required for construction of Alternative 1, resulting in additional short-term emissions during these years. Table 5-10 summarize estimated emissions for the CEQA Proposed Project with the CUP Option. The table presents emissions with and without implementation of Mitigation Measure AQ-1. Only emissions during 2034 and 2035 would differ from the CEQA Proposed Project. However, emissions for all construction years are included in the tables to enable a total emissions summation.

Table 5-10. Estimated GHGs Emissions from Construction of the CEQA Proposed Project (metric tons) with the CUP Option[a]

Year[b]	Unmitigated					With Air Quality Mitigation[c]				
	CO_2	CH_4	N_2O	HFC	CO_2e	CO_2	CH_4	N_2O	HFC	CO_2e
2026	1,477	< 1	< 1	1	1,515	1,415	< 1	< 1	1	1,453
2027	3,897	< 1	< 1	1	3,941	3,258	< 1	< 1	1	3,300
2028	4,113	< 1	< 1	1	4,154	2,986	< 1	< 1	1	3,023
2029	3,949	< 1	< 1	1	3,989	2,759	< 1	< 1	1	2,795
2030	2,507	< 1	< 1	1	2,543	1,806	< 1	< 1	1	1,840
2031	6,793	< 1	< 1	1	6,846	5,074	< 1	< 1	1	5,121
2032	9,377	< 1	< 1	1	9,438	6,527	< 1	< 1	1	6,579
2033	4,988	< 1	< 1	1	5,034	3,115	< 1	< 1	1	3,154
2034	5,801	< 1	< 1	1	5,880	4,301	< 1	< 1	1	4,375
2035	5,485	< 1	< 1	< 1	5,537	4,020	< 1	< 1	< 1	4,067
2036	2,525	< 1	< 1	< 1	2,562	1,698	< 1	< 1	< 1	1,731
2037	6,139	< 1	< 1	< 1	6,215	4,708	< 1	< 1	< 1	4,780
2038	6,423	< 1	< 1	< 1	6,478	4,564	< 1	< 1	< 1	4,612
2039	2,479	< 1	< 1	< 1	2,498	1,305	< 1	< 1	< 1	1,320
Total	65,952	3	2	8	66,628	47,537	2	2	8	48,150

Source: Appendix A

Note: As noted in Section 5.3.1, *Methods*, CARB has not published GHG adjustment factors for EMFAC2021 to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. Application of the ROG, NO_X, and PM adjustment factors across all construction air quality analyses for the project resulted in a less than 1 percent increase in affected emissions, due largely to the fact that construction emissions are generated primarily by off-road equipment. It is reasonable to conclude removal of the regulations may affect estimated GHG emissions by the same magnitude.

a. Values are rounded to the nearest whole number.

b. The CUP would be constructed in 2034 and 2035. Emissions during all other construction years would be the same as the CEQA Proposed Project; they are included in the table to enable a total emissions summation.

c. Emissions results include implementation of Mitigation Measure AQ-1 (Mitigation Measure AQ-2 is not quantified; Mitigation Measure GHG-1 is partially quantified [off-road engine controls]).

CH_4 = methane; CO_2 = carbon dioxide; CO_2e = carbon dioxide equivalent; HFCs = hydrofluorocarbons; N_2O = nitrous oxide

Table 5-10 indicates that construction of the CEQA Proposed Project with the CUP Option would generate approximately 48,150 metric tons CO_2e over the entire construction period (inclusive of air quality mitigation). Construction of the CUP Option would generate slightly more emissions than the CEQA Proposed Project due to additional equipment and vehicles. The implementation of BMPs would not change, and Mitigation Measures GHG-1, AQ-1, and AQ-2 would be implemented to reduce GHG emissions.

Full Operations

Operation of the CUP Option would reduce emissions from energy, water consumption, and fugitive sources, relative to the CEQA Proposed Project, but increase emissions from stationary (i.e., generators) sources. Table 5-11 presents estimated operational emissions for the CEQA Proposed Project with the CUP Option under full-build conditions. The table presents emissions with and without implementation of Mitigation Measures AQ-6 and TRAN-1, which are required to address air quality impacts, as discussed in Section 3.3.3.2 (Mitigation Measure AQ-5 would not reduce operational GHG emissions). Emissions from mobile, area, waste, and vegetation sources would be

the same as estimated for the CEQA Proposed Project and are included in the table to enable a total emissions summation. Table 5-11 also presents total emissions under existing (2024) conditions and the NEPA No-Action Alternative (2040); refer to Table 5-4 for additional detail.

Table 5-11. Estimated GHGs Emissions from Operation of the CEQA Proposed Project with the CUP Option (metric tons)[a]

	Unmitigated					With Air Quality Mitigation[b]				
Source	CO_2	CH_4	N_2O	HFC	CO_2e	CO_2	CH_4	N_2O	HFC	CO_2e
Project (2040)										
Mobile	16,813	1	1	4	17,023	15,552	1	1	4	15,747
Area	50	< 1	< 1	0	50	0	0	0	0	0
Energy	49	< 1	< 1	0	49	49	< 1	< 1	0	49
Water	20	2	< 1	0	85	20	2	< 1	0	85
Waste	657	66	0	0	2,298	657	66	0	0	2,298
Fugitive	0	0	0	162	162	0	0	0	162	162
Stationary	498	< 1	< 1	0	499	498	< 1	< 1	0	499
Vegetation[c]	-78	0	0	0	-78	-78	0	0	0	-78
Total	18,007	68	1	166	20,088	16,697	68	1	166	18,762
CEQA No-Project/Existing Conditions Alternative (2024)[d]	154	1	< 1	1	180	154	1	< 1	1	180
NEPA No-Action Alternative (2040)[d]	1,219	3	< 1	186	1,492	1,219	3	< 1	186	1,492
Net Change										
CEQA[e]	17,853	67	1	166	19,908	16,543	67	1	165	18,582
NEPA[f]	16,789	65	1	-20	18,596	15,478	65	1	-20	17,270

Source: Appendix A

Note: As noted in Section 5.3.1, *Methods*, CARB has not published GHG adjustment factors for EMFAC2021 to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. Application of the adjustment factors across all operational air quality analyses for the project resulted in a less than 1 percent to 22 percent increase in mobile-source emissions, depending on the analysis year and pollutant (i.e., ROG, NO_X, or PM). It is reasonable to conclude removal of the regulations may affect estimated GHG emissions by the same magnitude.

a. Values are rounded to the nearest whole number.

b. Emissions results include implementation of Mitigation Measures AQ-6 and TRAN-1, which are required to address air quality impacts.

c. Sequestration benefits from the project planting of 1,283 trees. Emissions results are annualized over a 40-year tree lifetime.

d. Refer to Table 5-4 for emissions by source.

e. Total project (2040) emissions minus total existing (2024) emissions.

f. Total project (2040) emissions minus total No-Build (2040) emissions.

CH_4 = methane; CO_2 = carbon dioxide; CO_2e = carbon dioxide equivalent; HFCs = hydrofluorocarbons; N_2O = nitrous oxide

Compared to the CEQA Proposed Project, the CUP Option would slightly increase net operational emissions due to operation of the additional standby generator. As discussed in Section 5.3.2, *Thresholds of Significance*, the significance of operations-generated GHG emissions is qualitatively

assessed based on consistency with the Air District's land use design elements. Implementation of the CUP Option would not change the consistency findings of the CEQA Proposed Project with respect to the Air District's land use design elements (see Table 5-7 in Section 5.3.3.2). Compared to the CEQA Proposed Project, the CUP Option would optimize local energy generation and distribution, which in turn improves overall system generation and energy conservation. The CUP Option would not alter EV parking design or, with implementation of Mitigation Measure TRAN-1, affect the ability of the project to achieve a per service population VMT of 19.0, which equates to 15 percent below the existing total VMT per service population for the Bay Area.

Conclusion

Overall, there would be no difference in the impact conclusion with or without the CUP Option. Mitigation Measures GHG-1, AQ-1, and AQ-2 would be implemented during construction to reduce GHG emissions, and the CUP Option would meet all Air District operational land use design elements with implementation of Mitigation Measure TRAN-1. Accordingly, neither construction nor operation of the CEQA Proposed Project with the CUP Option would result in a cumulatively considerable contribution to global climate change.

Mitigation Measure GHG-1. Best Management Practices for Construction-Related GHG Emissions

Refer to measure description in Section 5.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*.

Mitigation Measure AQ-1. Electric Equipment and Emissions Controls for Off-Road Diesel Engines during Construction

See measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*, under Impact CEQA-AIR-2.

Mitigation Measure AQ-2. Zero-Emission On-Road Vehicles during Construction

See measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*, under Impact CEQA-AIR-2.

Mitigation Measure TRAN-1. Require a Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Impact GHG-2. Conflict with an Applicable Plan, Policy or Regulation Adopted for the Purpose of Reducing the Emissions of Greenhouse Gases

Overall, there would be no difference in the impact mechanism or conclusion with or without the CUP Option. The same sustainability strategies described above for the CEQA Proposed Project would be implemented, as well as Mitigation Measure TRAN-1. Compared to the CEQA Proposed Project, the CUP Option would further support GHG reduction planning efforts by optimizing local energy generation and distribution, which in turn improves overall system generation and energy conservation. Ultimately, the CUP Option would not conflict with State, regional, or local plans designed to achieve the GHG reduction goals mandated by SB 32 and AB 1279 for 2030 and 2045.

Mitigation Measure TRAN-1. Require a Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Cumulative Impacts

Climate change is a global problem, and GHG impacts are inherently cumulative. This is because GHGs contribute to global climate change, regardless of where they are emitted. Climate change is the result of the individual contributions of countless past, present, and future sources. Thus, the analysis and conclusions presented above under *Project-Level Impacts* characterize the cumulative impacts of the CEQA Proposed Project with the CUP Option.

5.3.3.5 CEQA Proposed Project No Student/Faculty Housing Variant (NEPA Build Alternative 1, No Student/Faculty Housing Sub-Alternative)

Project-Level Impacts

Impact GHG-1. Generate Greenhouse Gas Emissions, Either Directly or Indirectly, That May Have a Significant Impact on the Environment

Construction

As discussed in Section 5.3.1.1, *Construction*, the same construction activities proposed and evaluated under the CEQA Proposed Project would occur under the Variant. The intensity of construction for the CEQA Proposed Project with or without the Variant would therefore be the same, and the emissions presented in Table 5-5 in Section 5.3.3.2 for the CEQA Proposed Project would also occur under the Variant. As shown in Table 5-5, construction activities would generate approximately 47,709 metric tons CO_2e over the entire construction period (inclusive of air quality mitigation). The implementation of BMPs would not change under the Variant, and Mitigation Measures GHG-1, AQ-1, and AQ-2 would be implemented under the Variant to reduce GHG emissions.

Full Operations

The same operational sources proposed and evaluated under the CEQA Proposed Project would occur under the Variant. Table 5-12 presents estimated operational emissions for the Variant under full-build conditions. The table presents emissions with and without implementation of Mitigation Measures AQ-6 and TRAN-1, which are required to address air quality impacts, as discussed in Section 3.3.3.2 (Mitigation Measure AQ-5 would not reduce operational GHG emissions). Emissions from energy, area, waste, and vegetation sources would be the same as estimated for the CEQA Proposed Project and are included in the table to enable a total emissions summation. Table 5-12 also presents total emissions under existing (2024) conditions and the NEPA No-Action Alternative (2040); refer to Table 5-4 for additional detail.

Table 5-12. Estimated GHGs Emissions from Operation of the CEQA Proposed Project with the Variant (metric tons)[a]

	Unmitigated					With Air Quality Mitigation[b]				
Source	CO_2	CH_4	N_2O	HFC	CO_2e	CO_2	CH_4	N_2O	HFC	CO_2e
Project (2040)										
Mobile	17,147	1	1	4	17,361	15,861	1	1	4	16,059
Area	50	0	0	0	50	0	0	0	0	0
Energy	55	< 1	< 1	0	55	55	< 1	< 1	0	55
Water	17	2	< 1	0	72	17	2	< 1	0	72
Waste	657	66	0	0	2,298	657	66	0	0	2,298
Fugitive	0	0	0	179	179	0	0	0	179	179
Stationary	498	< 1	< 1	0	499	498	< 1	< 1	0	499
Vegetation[c]	-78	0	0	0	-78	-78	0	0	0	-78
Total	18,344	68	1	183	20,436	17,009	68	1	183	19,084
CEQA No-Project/Existing Conditions Alternative (2024)[d]	154	1	< 1	1	180	154	1	< 1	1	180
NEPA No-Action Alternative (2040)[d]	1,219	3	< 1	186	1,492	1,219	3	< 1	186	1,492
Net Change										
CEQA[e]	18,190	67	1	182	20,255	16,855	67	1	182	18,904
NEPA[f]	17,126	65	1	-3	18,944	15,790	65	1	-3	17,592

Source: Appendix A

Note: As noted in Section 5.3.1, *Methods*, CARB has not published GHG adjustment factors for EMFAC2021 to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. Application of the adjustment factors across all operational air quality analyses for the project resulted in a less than 1 percent to 22 percent increase in mobile-source emissions, depending on the analysis year and pollutant (i.e., ROG, NO_X, or PM). It is reasonable to conclude removal of the regulations may affect estimated GHG emissions by the same magnitude.

a. Values are rounded to the nearest whole number.

b. Emissions results include implementation of Mitigation Measures AQ-6 and TRAN-1, which are required to address air quality impacts.

c. Sequestration benefits from the project planting of 1,283 trees. Emissions results are annualized over a 40-year tree lifetime.

d. Refer to Table 5-4 for emissions by source.

e. Total project (2040) emissions minus total existing (2024) emissions.

f. Total project (2040) emissions minus total No-Build (2040) emissions.

CH_4 = methane; CO_2 = carbon dioxide; CO_2e = carbon dioxide equivalent; HFCs = hydrofluorocarbons; N_2O = nitrous oxide

Compared to the CEQA Proposed Project, the Variant would increase net operational emissions due primarily to greater VMT and trip generation. As discussed in Section 5.3.2, *Thresholds of Significance*, the significance of operations-generated GHG emissions is qualitatively assessed based on consistency with the Air District's land use design elements. Implementation of the Variant would not change the consistency findings of the CEQA Proposed Project with respect to the Air District's land use design elements (see Table 5-7 in Section 5.3.3.2). The Variant would utilize all-electric design and implement the same sustainability strategies as described above for the CEQA Proposed

Project. The Variant would meet the CALGreen Tier 2 nonresidential EV voluntary requirement and would achieve the regional per service population VMT threshold of 19.0 with implementation of Mitigation Measure TRAN-1 (Fehr & Peers 2025).

Conclusion

Overall, there would be no difference in the impact conclusion between the CEQA Proposed Project and the CEQA Proposed Project with the Variant. Mitigation Measures GHG-1, AQ-1, and AQ-2 would be implemented during construction to reduce GHG emissions, and the Variant would meet all Air District operational land use design elements with implementation of Mitigation Measure TRAN-1. Accordingly, neither construction nor operation of the CEQA Proposed Project with the Variant would result in a cumulatively considerable contribution to global climate change.

Mitigation Measure GHG-1. Best Management Practices for Construction-Related GHG Emissions

Refer to measure description in Section 5.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*.

Mitigation Measure AQ-1. Electric Equipment and Emissions Controls for Off-Road Diesel Engines during Construction

See measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*, under Impact CEQA-AIR-2.

Mitigation Measure AQ-2. Zero-Emission On-Road Vehicles during Construction

See measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*, under Impact CEQA-AIR-2.

Mitigation Measure TRAN-1. Require a Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Impact GHG-2. Conflict with an Applicable Plan, Policy or Regulation Adopted for the Purpose of Reducing the Emissions of Greenhouse Gases

Overall, there would be no difference in the impact mechanism or conclusion between the CEQA Proposed Project and the CEQA Proposed Project with Variant. The same sustainability strategies described above for the CEQA Proposed Project would be implemented under the Variant. The Variant would not conflict with State, regional, or local plans designed to achieve the GHG reduction goals mandated by SB 32 and AB 1279 for 2030 and 2045.

Mitigation Measure TRAN-1. Require a Mitigated TDM Plan that Further VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Cumulative Impacts

Climate change is a global problem, and GHG impacts are inherently cumulative. This is because GHGs contribute to global climate change, regardless of where they are emitted. Climate change is

the result of the individual contributions of countless past, present, and future sources. Thus, the analysis and conclusions presented above under *Project-Level Impacts* characterize the cumulative impacts of the CEQA Proposed Project with the Variant.

5.3.3.6 CEQA Reduced Density Alternative (NEPA Build Alternative 2)

Project-Level Impacts

Impact GHG-1. Generate Greenhouse Gas Emissions, Either Directly or Indirectly, That May Have a Significant Impact on the Environment

Construction

The same construction activities proposed and evaluated under the CEQA Proposed Project would occur under the CEQA Reduced Density Alternative. The intensity of construction for the CEQA Proposed Project and the CEQA Reduced Density Alternative would be the same except for a slight reduction in the duration of the "core and shell" and "architectural coating" sub-phases for research buildings under the CEQA Reduced Density Alternative. Table 5-13 presents estimated construction emissions for the CEQA Reduced Density Alternative. The table presents emissions with and without implementation of Mitigation Measure AQ-1.

Table 5-13. Estimated GHG Emissions from Construction of the CEQA Reduced Density Alternative (metric tons)[a]

	Unmitigated					With Air Quality Mitigation[b]				
Year	CO_2	CH_4	N_2O	HFC	CO_2e	CO_2	CH_4	N_2O	HFC	CO_2e
2026	1,477	< 1	< 1	1	1,515	1,415	< 1	< 1	1	1,453
2027	3,897	< 1	< 1	1	3,941	3,258	< 1	< 1	1	3,300
2028	4,113	< 1	< 1	1	4,154	2,986	< 1	< 1	1	3,023
2029	3,643	< 1	< 1	1	3,680	2,547	< 1	< 1	1	2,580
2030	2,131	< 1	< 1	1	2,165	1,588	< 1	< 1	1	1,620
2031	6,793	< 1	< 1	1	6,846	5,074	< 1	< 1	1	5,121
2032	9,228	< 1	< 1	1	9,288	6,424	< 1	< 1	1	6,475
2033	4,454	< 1	< 1	< 1	4,497	2,790	< 1	< 1	< 1	2,827
2034	5,044	< 1	< 1	1	5,120	3,990	< 1	< 1	1	4,063
2035	4,947	< 1	< 1	< 1	4,996	3,793	< 1	< 1	< 1	3,839
2036	1,992	< 1	< 1	< 1	2,025	1,375	< 1	< 1	< 1	1,406
2037	6,139	< 1	< 1	< 1	6,215	4,708	< 1	< 1	< 1	4,780
2038	6,277	< 1	< 1	< 1	6,330	4,464	< 1	< 1	< 1	4,511
2039	1,952	< 1	< 1	< 1	1,968	988	< 1	< 1	< 1	1,001
Total	62,086	3	2	7	62,740	45,402	2	2	7	45,998

Source: Appendix A

Note: As noted in Section 5.3.1, *Methods*, CARB has not published GHG adjustment factors for EMFAC2021 to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. Application of the ROG, NO_X, and PM adjustment factors across all construction air quality analyses for the project resulted in a less than 1 percent increase in affected emissions, due largely to the fact that construction emissions are generated primarily by off-road equipment. It is reasonable to conclude removal of the regulations may affect estimated GHG emissions by the same magnitude.

[a.] Values are rounded to the nearest whole number.
[b.] Emissions results include implementation of Mitigation Measure AQ-1 (Mitigation Measure AQ-2 is not quantified; Mitigation Measure GHG-1 is partially quantified [off-road engine controls]).
CH_4 = methane; CO_2 = carbon dioxide; CO_2e = carbon dioxide equivalent; HFCs = hydrofluorocarbons; N_2O = nitrous oxide

Table 5-13 indicates that construction of the CEQA Reduced Density Alternative would generate approximately 45,998 metric tons CO_2e over the entire construction period (inclusive of air quality mitigation). Compared to the CEQA Proposed Project, construction emissions would be slightly less under the CEQA Reduced Density Alternative due to slightly shorter durations for some sub-phases. The implementation of BMPs would not change under the CEQA Reduced Density Alternative, and Mitigation Measures GHG-1, AQ-1, and AQ-2 would be implemented under the CEQA Reduced Density Alternative to reduce GHG emissions.

Full Operations

The same operational sources proposed and evaluated under the CEQA Proposed Project would occur under the CEQA Reduced Density Alternative. Table 5-14 presents estimated operational emissions for the CEQA Reduced Density Alternative under full-build conditions. The table presents emissions with and without implementation of Mitigation Measures AQ-6 and TRAN-1, which are required to address air quality impacts, as discussed in Section 3.3.3.2 (Mitigation Measure AQ-5 would not reduce operational GHG emissions). Table 5-15 also presents total emissions under existing (2024) conditions and the NEPA No-Action Alternative (2040); refer to Table 5-4 for additional detail.

Table 5-14. Estimated GHGs Emissions from Operation of the CEQA Reduced Density Alternative (metric tons)[a]

	Unmitigated					With Air Quality Mitigation[b]				
Source	CO_2	CH_4	N_2O	HFC	CO_2e	CO_2	CH_4	N_2O	HFC	CO_2e
Project (2040)										
Mobile	11,447	< 1	< 1	3	11,590	10,589	0	0	2	10,721
Area	50	< 1	< 1	0	50	0	0	0	0	0
Energy	27	0	0	0	27	27	< 1	< 1	0	27
Water	14	1	< 1	0	58	14	1	< 1	0	58
Waste	159	16	0	0	556	159	16	0	0	556
Fugitive	0	0	0	176	176	0	0	0	176	176
Stationary	459	< 1	< 1	0	461	459	< 1	< 1	0	461
Vegetation[c]	-78	0	0	0	-78	-78	0	0	0	-78
Total	12,078	18	< 1	179	12,840	11,170	18	< 1	179	11,921
CEQA No-Project/Existing Conditions Alternative (2024)[d]	154	1	< 1	1	180	154	1	< 1	1	180
NEPA No-Action Alternative (2040)[d]	1,219	3	< 1	186	1,492	1,219	3	< 1	186	1,492
Net Change										

	Unmitigated					With Air Quality Mitigation[b]				
Source	CO_2	CH_4	N_2O	HFC	CO_2e	CO_2	CH_4	N_2O	HFC	CO_2e
CEQA[e]	11,924	17	< 1	178	12,660	11,016	17	< 1	178	11,741
NEPA[f]	10,859	15	< 1	-7	11,348	9,951	15	< 1	-8	10,429

Source: Appendix A

Note: As noted in Section 5.3.1, *Methods*, CARB has not published GHG adjustment factors for EMFAC2021 to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. Application of the adjustment factors across all operational air quality analyses for the project resulted in a less than 1 percent to 22 percent increase in mobile-source emissions, depending on the analysis year and pollutant (i.e., ROG, NO_X, or PM). It is reasonable to conclude removal of the regulations may affect estimated GHG emissions by the same magnitude.

a. Values are rounded to the nearest whole number.

b. Emissions results include implementation of Mitigation Measures AQ-6 and TRAN-1, which are required to address air quality impacts.

c. Sequestration benefits from the project planting of 1,283 trees. Emissions results are annualized over a 40-year tree lifetime.

d. Refer to Table 5-4 for emissions by source.

e. Total project (2040) emissions minus total existing (2024) emissions.

f. Total project (2040) emissions minus total No-Build (2040) emissions.

CH_4 = methane; CO_2 = carbon dioxide; CO_2e = carbon dioxide equivalent; HFCs = hydrofluorocarbons; N_2O = nitrous oxide

Compared to the CEQA Proposed Project, the CEQA Reduced Density Alternative would reduce net operational emissions due primarily to reduced VMT and trip and waste generation. As discussed in Section 5.3.2, *Thresholds of Significance*, the significance of operations-generated GHG emissions is qualitatively assessed based on consistency with the Air District's land use design elements. Implementation of the CEQA Reduced Density Alternative would not change the consistency findings of the CEQA Proposed Project with respect to the Air District's land use design elements (see Table 5-7 in Section 5.3.3.2). The CEQA Reduced Density Alternative would utilize all-electric design and implement the same sustainability strategies as described above for the CEQA Proposed Project. The CEQA Reduced Density Alternative would also meet the CALGreen Tier 2 nonresidential EV voluntary requirement. However, to achieve the regional per service population VMT threshold of 19.0, VMT per service population would need to be reduced by an additional 17 percentage points beyond the 22 percent achieved by the TDM Plan (39 percent total). Mitigation Measure TRAN-1 would achieve a maximum of a 31 percent reduction and not meet the mitigation requirements of 39 percent under the CEQA Reduced Density Alternative.

Conclusion

Mitigation Measures GHG-1, AQ-1, and AQ-2 would be implemented during construction to reduce GHG emissions. The CEQA Reduced Density Alternative would meet all Air District operational land use design elements except VMT reduction. While the TDM Plan and Mitigation Measure TRAN-1 would reduce project VMT, it would not achieve sufficient reductions to meet the regional per service population VMT target. Accordingly, operation of the CEQA Reduced Density Alternative would result in a cumulatively considerable contribution to global climate change from mobile sources.

Mitigation Measure GHG-1. Best Management Practices for Construction-Related GHG Emissions

Refer to measure description in Section 5.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*.

Mitigation Measure AQ-1. Electric Equipment and Emissions Controls for Off-Road Diesel Engines during Construction

See measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*, under Impact CEQA-AIR-2.

Mitigation Measure AQ-2. Zero-Emission On-Road Vehicles during Construction

See measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*, under Impact CEQA-AIR-2.

Mitigation Measure TRAN-1. Require a Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Impact GHG-2. Conflict with an Applicable Plan, Policy or Regulation Adopted for the Purpose of Reducing the Emissions of Greenhouse Gases

The same sustainability strategies described above for the CEQA Proposed Project would be implemented under the CEQA Reduced Density Alternative, as well as Mitigation Measure TRAN-1. While the TDM Plan and Mitigation Measure TRAN-1 would reduce project VMT, the CEQA Reduced Density Alternative would not meet the per service population VMT reduction target of 15 percent below the Bay Area average, which is designed to meet statewide VMT and emission reduction goals. As such, the CEQA Reduced Density Alternative would conflict with *Plan Bay Area* and *2017 Clean Air Plan* even after implementation of mitigation.

Mitigation Measure TRAN-1. Require a Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Cumulative Impacts

Climate change is a global problem, and GHG impacts are inherently cumulative. This is because GHGs contribute to global climate change, regardless of where they are emitted. Climate change is the result of the individual contributions of countless past, present, and future sources. Thus, the analysis and conclusions presented above under *Project-Level Impacts* characterize the cumulative impacts of the CEQA Reduced Density Alternative.

5.3.3.7 CEQA Reduced Density Alternative No Student/Faculty Housing Variant (NEPA Build Alternative 2, No Student/Faculty Housing Sub-Alternative)

Project-Level Impacts

Impact GHG-1. Generate Greenhouse Gas Emissions, Either Directly or Indirectly, that May Have a Significant Impact on the Environment

Construction

As discussed in Section 5.3.1.1, *Construction*, the same construction activities proposed and evaluated under the CEQA Reduced Density Alternative would occur under the Variant. The intensity of construction for the CEQA Reduced Density Alternative with or without the Variant would therefore be the same, and the emissions presented in Table 5-13 in Section 5.3.3.2 for the CEQA Reduced Density Alternative would also occur under the Variant. As shown in Table 5-13, construction activities would generate approximately 45,998 metric tons CO_2e over the entire construction period (inclusive of air quality mitigation). The implementation of BMPs would not change under the Variant, and Mitigation Measures GHG-1, AQ-1, and AQ-2 would be implemented under the Variant to reduce GHG emissions.

Full Operations

The same operational sources proposed and evaluated under the CEQA Reduced Density Alternative would occur under the Variant. Table 5-15 presents estimated operational emissions for the CEQA Reduced Density Alternative with the Variant under full-build conditions. The table presents emissions with and without implementation of Mitigation Measures AQ-6 and TRAN-1, which are required to address air quality impacts, as discussed in Section 3.3.3.2 (Mitigation Measure AQ-5 would not reduce operational GHG emissions). Emissions from energy, area, waste, and vegetation sources would be the same as estimated for the CEQA Reduced Density Alternative and are included in the table to enable a total emissions summation. Table 5-15 also presents total emissions under existing (2024) conditions and the NEPA No-Action Alternative (2040); refer to Table 5-4 for additional detail.

Table 5-15. Estimated GHGs Emissions from Operation of the CEQA Reduced Density Alternative with the Variant (metric tons)[a]

	Unmitigated					With Air Quality Mitigation[b]				
Source	CO_2	CH_4	N_2O	HFC	CO_2e	CO_2	CH_4	N_2O	HFC	CO_2e
Project (2040)										
Mobile	11,796	< 1	< 1	3	11,944	10,912	< 1	< 1	3	11,048
Area	50	< 1	< 1	0	50	0	0	0	0	0
Energy	27	< 1	< 1	0	27	27	< 1	< 1	0	27
Water	10	1	< 1	0	44	10	1	< 1	0	44
Waste	159	16	0	0	556	159	16	0	0	556
Fugitive	0	0	0	176	176	0	0	0	176	176
Stationary	498	< 1	< 1	0	499	498	< 1	< 1	0	499

Source	Unmitigated					With Air Quality Mitigation[b]				
	CO_2	CH_4	N_2O	HFC	CO_2e	CO_2	CH_4	N_2O	HFC	CO_2e
Vegetation[c]	-78	0	0	0	-78	-78	0	0	0	-78
Total	12,462	17	< 1	179	13,219	11,528	17	< 1	179	12,273
CEQA No-Project/Existing Conditions Alternative (2024)[d]	154	1	< 1	1	180	154	1	< 1	1	180
NEPA No-Action Alternative (2040)[d]	1,219	3	< 1	186	1,492	1,219	3	< 1	186	1,492
Net Change										
CEQA[e]	12,308	17	< 1	179	13,039	11,374	16	< 1	178	12,093
NEPA[f]	11,243	15	< 1	-7	11,727	10,309	15	< 1	-7	10,781

Source: Appendix A

Note: As noted in Section 5.3.1, *Methods*, CARB has not published GHG adjustment factors for EMFAC2021 to account for congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. Application of the adjustment factors across all operational air quality analyses for the project resulted in a less than 1 percent to 22 percent increase in mobile-source emissions, depending on the analysis year and pollutant (i.e., ROG, NO_X, or PM). It is reasonable to conclude removal of the regulations may affect estimated GHG emissions by the same magnitude.

a. Values are rounded to the nearest whole number.

b. Emissions results include implementation of Mitigation Measures AQ-6 and TRAN-1, which are required to address air quality impacts.

c. Sequestration benefits from the project planting of 1,283 trees. Emissions results are annualized over a 40-year tree lifetime.

d. Refer to Table 5-4 for emissions by source.

e. Total project (2040) emissions minus total existing (2024) emissions.

f. Total project (2040) emissions minus total No-Build (2040) emissions.

CH_4 = methane; CO_2 = carbon dioxide; CO_2e = carbon dioxide equivalent; HFCs = hydrofluorocarbons; N_2O = nitrous oxide

Compared to the CEQA Reduced Density Alternative, the Variant would increase net operational emissions due primarily to greater VMT and trip generation. As discussed in Section 5.3.2, *Thresholds of Significance*, the significance of operations-generated GHG emissions is qualitatively assessed based on consistency with the Air District's land use design elements. Implementation of the Variant would not change the consistency findings of the CEQA Proposed Project and the CEQA Reduced Density Alternative with respect to the Air District's land use design elements (see Table 5-7 in Section 5.3.3.2). The Variant would utilize all-electric design and implement the same sustainability strategies as described above for CEQA Proposed Project and the CEQA Reduced Density Alternative. The Variant would also meet the CALGreen Tier 2 nonresidential EV voluntary requirement. However, to achieve the regional per service population VMT threshold of 19.0, VMT per service population would need to be reduced by an additional 19 percentage points beyond the 22 percent achieved by the TDM Plan (41 percent total). Mitigation Measure TRAN-1 would achieve a maximum of a 31 percent reduction and not meet the mitigation requirements of 41 percent under the Variant.

Conclusion

Mitigation Measures GHG-1, AQ-1, and AQ-2 would be implemented during construction to reduce GHG emissions. The Variant would meet all Air District operational land use design elements except

VMT reduction. While the TDM Plan and Mitigation Measure TRAN-1 would reduce project VMT, it would not achieve sufficient reductions to meet the regional per service population VMT target. Accordingly, operation of the Variant would result in a cumulatively considerable contribution to global climate change from mobile sources.

Mitigation Measure GHG-1. Best Management Practices for Construction-Related GHG Emissions

Refer to measure description in Section 5.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1).*

Mitigation Measure AQ-1. Electric Equipment and Emissions Controls for Off-Road Diesel Engines during Construction

See measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*, under Impact CEQA-AIR-2.

Mitigation Measure AQ-2. Zero-Emission On-Road Vehicles during Construction

See measure description in Section 3.3.3.2, *CEQA Proposed Project (NEPA Build Alternative 1)*, under Impact CEQA-AIR-2.

Mitigation Measure TRAN-1. Require a Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Impact GHG-2. Conflict with an Applicable Plan, Policy or Regulation Adopted for the Purpose of Reducing the Emissions of Greenhouse Gases

The same sustainability strategies described above for the CEQA Proposed Project and the CEQA Reduced Density Alternative would be implemented under the Variant as well as Mitigation Measure TRAN-1. While the TDM Plan and Mitigation Measure TRAN-1 would reduce project VMT, the Variant would not meet the per service population VMT reduction target of 15 percent below the Bay Area average, which is designed to meet statewide VMT and emission reduction goals. As such, the Variant would conflict with *Plan Bay Area* and *2017 Clean Air Plan* even after implementation of mitigation.

Mitigation Measure TRAN-1. Require a Mitigated TDM Plan that Further Reduces VMT

Refer to measure description under Impact CEQA-TRAN-2 for the CEQA Proposed Project in Section 3.16, *Transportation and Traffic*, of the joint EIR/EIS.

Cumulative Impacts

Climate change is a global problem, and GHG impacts are inherently cumulative. This is because GHGs contribute to global climate change, regardless of where they are emitted. Climate change is the result of the individual contributions of countless past, present, and future sources. Thus, the analysis and conclusions presented above under *Project-Level Impacts* characterize the cumulative impacts of the CEQA Reduced Density Alternative with the Variant.

Chapter 6
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Chapter 7
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Glossary

The glossary is intended to clarify terms used in this document. It does not include official definitions.

Term	Description
1,1-dichloroethane (1,1-DCA)	A colorless, oily liquid that quickly evaporates and has a sweet smell. 1,1-dichloroethane in the project area originates from contaminated groundwater, with the 1,1-dichloroethane migrating through the soil from groundwater and into buildings where it may volatize and concentrate. Exposure to 1,1-dichloroethane can cause irregular heartbeats, kidney effects, and certain types of cancers. 1,1-dichloroethane is a toxic air contaminant.
1,2-dichloroethene (1,2-DCE)	A flammable, colorless liquid that quickly evaporates and has a sweet smell. 1,2-dichloroethene in the project area originates mostly from the migration of groundwater containing chlorinated volatile organic compounds from the upgradient Middlefield-Ellis-Whisman (MEW) Superfund Facility Sites. Exposure to 1,2-DCE can cause skin and eye irritation. 1,2-dichloroethene is a toxic air contaminant.
2017 Spare the Air, Cool the Climate	Although not a State Implementation Plan, the *2017 Spare the Air, Cool the Climate* provides a comprehensive plan to improve Bay Area air quality and protect public health. The plan defines a control strategy that the Bay Area Air District and its partners will implement to: (1) attain all State and national ambient air quality standards; (2) eliminate disparities among Bay Area communities in cancer risk from toxic air contaminants; and (3) reduce greenhouse gases to protect the climate
Acute health effect	Health effects that quickly develop following short-term (i.e., lasting for an hour of less) pollutant exposure.
Age sensitivity factor (ASF)	A weighting factor applied in the calculation of lifetime cancer risk to account for the greater cancer risk from exposure to carcinogens during early life stages.
Air basin	A geographic area with similar meteorological and topographical features. The California Air Resources Board has defined 15 air basins in California pursuant to the California Health and Safety Code Section 39606(a). The project is in the San Francisco Bay Area Air Basin.
Air district	A local agency responsible for regional air quality planning, monitoring, and stationary source and facility permitting. Air districts are also responsible for establishing and enforcing local air quality rules and regulations that address the requirements of federal and State air quality laws and ensuring that the ambient air quality standards are met. There are 35 air districts in California that are defined in the California Clean Air Act. The Bay Area Air District is the air district for the project area.
Ambient air quality standards	Standards set by law that define the maximum amount of a pollutant averaged over a specified period that can be present in outdoor air without any harmful effects on people or the environment. The U.S. Environmental Protection Agency has set national ambient air quality standards for six criteria pollutants—ozone, carbon monoxide, lead, nitrogen dioxide, sulfur dioxide, and particulate matter. The California Air Resources Board has set California ambient air quality standards for these same pollutants and four others—sulfates, visibility reducing particles, hydrogen sulfide, and vinyl chloride.
American Meteorological Society/EPA Regulatory Model (AERMOD)	A steady-state plume model that incorporates air dispersion based on planetary boundary layer turbulence structure and scaling concepts, including treatment of both surface and elevated sources, and both simple and complex terrain. AERMOD is

Term	Description
	used to predict pollutant concentrations at receptor locations from construction and operation of the project.
Area source type	One of six source pathways input options for the American Meteorological Society/EPA Regulatory Model. Area source types are used to characterize project construction activities during demolition, site preparation, grading, paving, and building construction. The sources are input as multi-sided polygons with dimensions and locations that match that of the construction activities being modeled.
Area sources	Sources that individually emit relatively small quantities of air pollutants but when aggregated over a large area, may may emit considerably more pollution. Area sources associated with the project include landscaping equipment, consumer products, and the routine application of architectural coatings.
Asbestos	Fibrous silicate minerals that occur naturally in the environment. Asbestos was previously used as insulation and fireproofing in buildings and may be found in buildings within the project area. It is also found in its natural state in ultramafic rock, but mapping indicates naturally occurring asbestos is not present in the project area. The inhalation of asbestos fibers into the lungs can cause inflammation of the lungs, respiratory ailments, and cancer. Asbestos is a toxic air contaminant.
Association of Bay Area Governments (ABAG)	Regional planning body for the Bay Area that is jointly responsible with the Metropolitan Transportation Commission for developing long-range plans to improve the environment and standard of living and reduce greenhouse gases from cars and light-duty trucks.
Attainment area	A defined geographic area that meets the ambient air quality standard for a criteria pollutant.
Averaging time (AT) (for lifetime cancer risk)	The period over which exposure to a potential carcinogen is averaged (e.g., 30 years).
Bay Area Air District (Air District)	One of 35 local air districts in California. The Air District is responsible for regulating stationary sources of air pollution in the nine counties that surround San Francisco Bay: Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, southwestern Solano, and southern Sonoma counties.
California Air Resources Board (CARB)	California's lead air quality agency responsible for attainment and maintenance of the State and federal ambient air quality standards, California climate change programs, and motor vehicle pollution control. It oversees county and regional air pollution management programs.
California Clean Air Act (CAA)	Adopted in 1988 by the California Legislature to establish a statewide air pollution control program. The California CAA requires all air districts in the state to endeavor to meet the State ambient air quality standards by the earliest practical date.
California Communities Environmental Health Screening Tool (CalEnviroScreen)	A mapping tool from the Office of Environmental Health Hazard Assessment that identifies vulnerable communities in California that are affected by many sources of pollution.
California Emissions Estimator Model (CalEEMod)	A statewide emissions model designed to provide a uniform platform for government agencies, land use planners, and environmental professionals to quantify criteria pollutant and greenhouse gases from land use development and linear projects in California. CalEEMod also identify potential climate risks and environmental burdens within the vicinity of a project.
California Environmental Quality Act	California law signed in 1970 that requires State and local government agencies to inform decision makers and the public about the potential environmental impacts of proposed projects, and to reduce those environmental impacts to the extent feasible.

Term	Description
Cancer risk	The potential for exposure to a contaminant to cause cancer in an individual's lifetime.
Carbon dioxide (CO_2)	A colorless, odorless gas that occurs naturally in the Earth's atmosphere. Carbon dioxide enters the atmosphere through fossil fuels (oil, natural gas, and coal) combustion, solid waste decomposition, plant and animal respiration, and chemical reactions (e.g., manufacture of cement). Carbon dioxide is also removed from the atmosphere (or "sequestered") when it is absorbed by plants as part of the biological carbon cycle. Carbon dioxide is a greenhouse gas.
Carbon dioxide equivalent (CO2e)	The amount of carbon dioxide by weight that would produce the same global warming impact as a given weight of another greenhouse gas. Carbon dioxide equivalent is calculated by multiplying the metric tons of a greenhouse gas by its associated global warming potential. Expressing greenhouse gases in terms of carbon dioxide equivalent simplifies reporting and analysis because all emissions can be described in terms of a single gas.
Carbon monoxide (CO)	A colorless, odorless, toxic gas produced by incomplete combustion of carbon substances, such as gasoline or diesel fuel. The primary adverse health effect associated with carbon monoxide is interference with normal oxygen transfer to the blood, which may result in tissue oxygen deprivation. Exposure to carbon monoxide at high concentrations can also cause fatigue, headaches, confusion, dizziness, and chest pain. Carbon monoxide is a criteria pollutant.
Chronic health effect	Health effects that develop following long-term (typically from one year to a lifetime), repeated, or continuous pollutant exposure.
Clean Air Act (CAA)	Federal legislation promulgated in 1963 and amended several times thereafter, including the 1990 Clean Air Act amendments, that establishes the framework for modern air pollution control in the United States. The Clean Air Act directs U.S. Environmental Protection Agency to establish federal ambient air quality standards and specifies future dates for achieving compliance.
Clean Air Foundation (Foundation)	Provides financial, administrative and programmatic support to the Bay Area Air District. It manages grant and incentive programs to fund emission reduction projects through the San Francisco Bay Area Air Basin, which a specific focus on supporting projects located in the most vulnerable communities.
Criteria pollutants	Pollutants for which the national and California ambient air quality standards have been established.
Default	An industry accepted generic value used when project specific information is not available.
Diesel particulate matter	The solid material in diesel exhaust that is typically composed of carbon particles (known as "soot") and numerous organic compounds. Short-term exposure to diesel particulate matter can cause acute irritation (e.g., eye, throat, and bronchial), neurophysiological symptoms (e.g., lightheadedness, nausea), and respiratory symptoms (e.g., coughing, phlegm). Diesel particulate matter is a toxic air contaminant.
Dose (daily inhalation)	The amount of a contaminant to which an individual is exposed and inhales daily. The daily inhalation dose is expressed in terms of milligrams per kilogram per day.
Electric vehicle	A vehicle that uses one or more electric motors for propulsion.
Electric-vehicle capable	According to California's Green Building Standards Code, electric vehicle–capable infrastructure includes the "raceway" (the enclosed conduit that forms the physical pathway for electrical wiring to protect it from damage) and panel capacity to support future installation of a dedicated 208/240 VAC, 40-amp branch. circuit and charging station(s).

Term	Description
EMission FACtors (EMFAC)	A computer model developed by the California Air Resources Board to assess emissions from on-road motor vehicles, including cars, trucks, and buses in California.
Emissions inventory	An estimate of the amount of pollutants emitted into the atmosphere over a specific period, such as a day or a year.
Exposure duration (ED)	The amount of time an individual is exposed to a contaminant (e.g., 2 years, 14 years)
Exposure frequency	How often an individual is exposed to a contaminant over time (e.g., every day, once a week, and twice a month)
Fraction of time spent at home (FAH)	An estimate of the amount of time an individual spends at home. In health risk assessment, the fraction of time at home is used to adjust exposure duration and cancer risk from emissions, based on the assumption that exposure to emissions is not occurring away from home.
Fugitive sources	Emissions resulting from an unintentional release of gases or vapors. Fugitive sources associated with the project include research activity in laboratories.
General Conformity Rule	Federal law promulgated pursuant to the Clean Air Act (40 Code of Federal Regulations Part 51, Subpart W, and 40 CFR Part 93B) that applies to all federal actions (unless exempted). The General Conformity Rule prohibits federal approval of projects if they do not conform with the State Implementation Plan because they would cause or contribute to an increase in air pollutant emissions or violate an ambient air quality standard.
Global warming potential (GWP)	The ratio of radiative forcing that would result from the emission of one unit of a greenhouse gas to that from the emission of one unit of carbon dioxide over a fixed period (e.g., 20 years, 100 years). The global warming potential is used to calculate carbon dioxide equivalent.
Greenhouse gases (GHG)	Gases that trap heat from the sun, keeping the Earth warm through the greenhouse effect. The primary greenhouse gases of concern associated with the proposed project are carbon dioxide, methane, nitrous oxides, and hydrofluorocarbons.
Hazard index (HI)	The sum of individual acute or chronic hazard quotients for each substance affecting a particular toxicological endpoint.
Hazardous air pollutant (HAP)	Federal terminology for air pollutants that are not covered by ambient air quality standards but may reasonably be expected to cause or contribute to serious illness or death. Hazardous air pollutants are synonymous with toxic air contaminants.
Health risk assessment (HRA)	A comprehensive analysis of the dispersion of hazardous substances in the environment, their potential for human exposure, and a quantitative assessment of individual health risks associated with those levels of exposure.
Hotspots Analysis and Reporting Program (HARP)	A computer model developed by the California Air Resources Board to calculate health risk from exposure to pollution.
Hydrofluorocarbons (HFC)	Human-made chemicals used in commercial, industrial, and consumer products and have a high global warming potential. Hydrofluorocarbons are generally used as substitutes for ozone-depleting substances in automobile air conditioners and refrigerants.
Inhalation absorption factor	A unitless factor, generally with a default value of 1, used in health risk assessments to account for the absorption efficiency of a contaminant across the respiratory tract.
Inhalation cancer potency factor	The theoretical upper bound probability of extra cancer cases occurring in an exposed population assuming a lifetime inhalation exposure to the chemical.
Inhalation rate	The amount of air inhaled in a specified period (e.g., per minute, per hour, per day, etc.); also called breathing rate and ventilation rate.

Term	Description
Leadership in Energy and Environmental Design (LEED)	Widely used green building rating system developed by the U.S. Green Building Council. It provides a framework for designing, constructing, and operating sustainable buildings to enhance performance, reduce environmental impact, and improve human health. Buildings constructed by the project would meet LEED Silver building certification requirements.
Line volume source type	One of six source pathways input options for the American Meteorological Society/EPA regulatory model. Line volume source types are used to characterize off-site project trips from vehicles associated with deliveries and hauling by vendors and worker trips during long-term operation.
Maximumly exposed individual receptor (MEIR)	The individual receptor location where the quantified health risk would be the greatest of all modeled receptor points.
Methane (CH_4)	A colorless, odorless, and flammable gas that is main component of natural gas. Sources of methane include growing rice, raising cattle, using natural gas, landfill outgassing, mining coal, and natural processes. Methane is a greenhouse gas.
Metropolitan Transportation Commission (MTC)	The State-designated regional transportation agency and the federally designated metropolitan planning organization for the nine-county Bay Area region. Jointly responsible with the Association of Bay Area Governments to develop long-range plans to improve the environment and standard of living and reduce greenhouse gases from cars and light-duty trucks.
Middlefield-Ellis-Whisman (MEW) Superfund Sites	The MEW Site consists of three Superfund sites: (1) Fairchild Semiconductor Corp. Mountain View Superfund site, (2) Raytheon Company Superfund site, and (3) Intel Corp. Mountain View Superfund site, as well as several other facilities, and portions of the Naval Air Station Moffett Field Superfund Site, located in Mountain View and Moffett Field. The primary contaminants of concern for the MEW Sites are trichloroethene and other volatile organic compounds in groundwater, soil, soil gas, and indoor air.
Mitigation measure	An action taken to reduce or eliminate an impact or risk.
Mobile sources	Sources of air pollution generated by moving sources. Mobile sources associated with the project include vehicle trips made by employees, students, and visitors, along with those trips made to support operation of the project (e.g., delivery, vendor trips).
NASA Ames Development Plan	Details transformation of the original 500-acre NASA Ames Research Center campus and 1,500 acres of former Naval Air Station Moffett Field into an integrated, dynamic research and education community.
National Emissions Standards for Hazardous Air Pollutants (NESHAP)	Emissions standards set by the U.S. Environmental Protection Agency for hazardous air pollutants that may cause an increase in deaths or in serious, irreversible, or incapacitating illness.
National Environmental Policy Act	Federal law signed in 1970 requiring federal agencies to analyze and disclose the environmental impacts of proposed actions before they are undertaken.
National Priorities List (NPL)	List of sites throughout the United States and its territories with known releases or threated releases of hazardous substances. NASA Moffett Field is a National Priorities List site (EPA ID: CA2170090078).
Nitrogen dioxide (NO_2)	A reddish-brown, irritating gas that is formed by the combination of nitric oxide and oxygen. Nitrogen dioxide is a criteria pollutant.
Nitrogen oxides (NO_X)	Compounds of nitric oxide, nitrogen dioxide and other oxides of nitrogen. In addition to serving as an integral participant in the formation of ozone and other pollutants, nitrogen oxides also directly act as an acute respiratory irritant and increase susceptibility to respiratory pathogens by impairing the immune system.

Term	Description
Nonattainment area	A defined geographic area that does not meet one or more of the ambient air quality standards for criteria pollutants.
Office of Environmental Health Hazard Assessment (OEHHA)	California's lead agency for the assessment of health risks posed by environmental contaminants. Implements Proposition 65 and develops guidance for health risk assessment.
Off-site (receptor)	Sensitive or worker receptors outside of the boundary of analysis.
On-site (receptor)	Sensitive or worker receptors inside the boundary of analysis.
Ozone	Ozone, or smog, is a photochemical oxidant that is formed when reactive organic gases and nitrogen oxides (both by-products of internal-combustion engines) react with sunlight. Exposure to ozone at certain concentrations can make breathing more difficult and damage the respiratory system. Ozone has been tied to crop damage, typically in the form of stunted growth, leaf discoloration, cell damage, and premature death. Ozone is a criteria pollutant.
Particulate matter (PM)	Solid and liquid particles suspended in the air. These can include smoke, soot, dust, salts, acids, and metals. Particulate matter that is 10 microns or less in aerodynamic diameter, about 1/7th the thickness of a human hair, is referred to as PM_{10}. Particulate matter that is 2.5 microns or less in aerodynamic diameter, roughly 1/28th the diameter of a human hair, is referred to as $PM_{2.5}$. Major sources of particulate matter include vehicles and equipment; wood-burning stoves and fireplaces; dust from construction, landfills, and agriculture; wildfires and brush/waste burning; industrial sources; windblown dust from open lands; and atmospheric chemical and photochemical reactions. Particulate matter is a criteria pollutant.
Precursor	Compounds that change chemically or physically after being emitted into the air and eventually produce air pollutants.
Reactive organic gases (ROG)	California terminology that refers to compounds made up primarily of hydrogen and carbon atoms. Internal combustion associated with motor vehicle usage is the major source of hydrocarbons. Other sources of reactive organic gases are emissions associated with the use of paints and solvents, the application of asphalt paving, and the use of household consumer products such as aerosols. Reactive organic gases are a precursor to ozone formation, and some are air toxics. Reactive organic gases are synonymous with violate organic compounds.
San Francisco Bay Area Air Basin (SFBAAB)	One of 15 air basins in California. The San Francisco Bay Area Air Basin contains all of Napa, Contra Costa, Alameda, Santa Clara, San Mateo, San Francisco, and Marin Counties as well as portions of Sonoma and Solano Counties.
Sensitive receptor	An individual who may be more sensitive to toxic exposures of a particular pollutant than the general population. The Bay Area Air District defines land uses where sensitive receptors are located as schools and schoolyards, parks and playgrounds, day-care centers and preschools, hospices, dormitories, prisons, nursing homes, hospitals, and residential communities.
State Implementation Plan (SIP)	A plan prepared by states and submitted to the U.S. Environmental Protection Agency that must include pollution control measures that demonstrate how the national ambient air quality standards will be met by the dates specified in Clean Air Act.
Stationary sources	Non-mobile emission sources that have a specific point of origin. Stationary sources associated with the project include diesel generators and cooling towers.
Sulfur dioxide (SO_2)	A gas generated from burning fossil fuels, industrial processes, and natural sources, such as volcanoes. Exposure to sulfur dioxide at certain concentrations may result in increased incidences of respiratory and pulmonary symptoms and disease, decreased pulmonary function, and increased risk of mortality. Sulfur dioxide

Term	Description
	deposition contributes to soil and surface water acidification and acid rain. Sulfur dioxide is a criteria pollutant.
Tetrachloroethene (PCE)	A nonflammable liquid that evaporates easily into the air and has a sharp, sweet odor. Tetrachloroethene in the project area originates from contaminated groundwater with the tetrachloroethene migrating through the soil into buildings. Exposure to tetrachloroethene can damage the nervous system, liver, kidney, respiratory system, and eyes, as well as cause certain types of cancer. Tetrachloroethene is a toxic air contaminant.
Threshold of significance	A quantitative or qualitative standard that can be used to define the level of effect above which a lead agency considers an air impact to be significant. The Bay Area Air District has established recommended thresholds for the analysis of air quality and greenhouse gas impacts under the California Environmental Quality Act.
Toxic air contaminants (TAC)	California terminology that refers to a chemical or group of chemicals in the air that has the potential to produce adverse health effects. The primary toxic air contaminants of concern associated with the project are diesel particulate matter, asbestos, trichloroethene, tetrachloroethene, 1,2-dichloroethene, vinyl chloride, and 1,1-dichloroethane. Toxic air contaminants are synonymous with hazardous air pollutants.
Transportation demand management (TDM)	A transportation strategy designed to increase the transportation system efficiency and reduce demand on the system. The project would implement a transportation demand management plan to reduce the vehicle trip generation and vehicles miles traveled generated by the project through a range of design features and ongoing operational programs. The transportation management plan is designed to reduce the project trip generation by 22 percent.
Trichloroethene (TCE)	A clear, colorless man-mad liquid that quickly evaporates into the air. Trichloroethene in the project area originates from contaminated groundwater with the trichloroethene migrating through the soil into buildings. Exposure to trichloroethene can damage the liver, nervous system, lungs, and kidneys, and brain, as well as cause fetal development issues, immune system effects, and certain types of cancer. Trichloroethene is a toxic air contaminant.
U.S. Environmental Protection Agency (EPA)	An independent agency of the federal government that protects people and the environment from significant health risks, sponsors and conducts research, and develops and enforces environmental regulations. The U.S. Environmental Protection Agency is the lead air quality agency for the United States.
Vapor intrusion (VI)	The process where chemical vapors from contaminated soil or groundwater migrate into indoor air.
Vehicle miles traveled (VMT)	The number of miles driven by vehicles over a specific period (e.g., per day, per year). Vehicle miles traveled is used in the calculation of mobile-source emissions generated by the project.
Vinyl chloride	A colorless gas with a mild, sweet odor that evaporates rapidly at the surface of water or soil. Vinyl chloride in the project area originates from contaminated groundwater with the vinyl chloride migrating through the soil into buildings. Exposure to vinyl chloride can cause fetal development issues and certain types of cancers. Vinyl chloride is a toxic air contaminant.
Volatile organic compounds (VOC)	Federal terminology that refers to a group of chemicals that evaporate into the air at room temperature and exist as a gas in outdoor air. Violate organic compounds are synonymous with reactive organic gases.
Volume source type	One of six source pathways input options for the American Meteorological Society/EPA Regulatory Model. Volume source types are used to characterize off-site vehicle movements during construction of the project.

Term	Description
Worker receptors	Locations where people work, including indoor and outdoor areas and commercial/industrial areas currently zoned or planned to be zoned for manufacturing, light or heavy industry, office, or retail activity.
Zero-emission vehicle (ZEV)	A vehicle that produces no exhaust emissions from the on-board source of power (e.g., a fully electric vehicle). These vehicles still produce emissions from tire and brake wear and can contribute to re-entrained road dust.

Appendix A
Air Quality and Greenhouse Gas

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A.1 CEQA Proposed Project (NEPA Build Alternative 1)

A.1.1 Construction

A1.1.1 Phase and Sub-Phase Codes

Buildout of the CEQA Proposed Project would occur over four phases, with each including various sub-phases (e.g., site preparation). Each sub-phase is identified and modeled in CalEEMod using an alphanumeric code. Table A-1 identifies the four phases, sub-phases, and modeling codes.

Table A-1. CEQA Proposed Project Construction Phases, Sub-Phases, and Modeling Codes

Phase	Sub-Phase	Code	Description
1	A	1-A	Buildings (all) - Site Preparation
1	B	1-B	Buildings (all) - Grading
1	C	1-C	Buildings (all) - Demolition
1	D	1-D	Buildings (research/active) - Vertical Construction
1	D-1-A	1-D-1-A	Research Building #3 Foundations
1	D-1-B	1-D-1-B	Research Building #3 Trenching
1	D-1-C	1-D-1-C	Research Building #3 Core and Shell
1	D-2-A	1-D-2-A	Research Building #4 Foundations
1	D-2-B	1-D-2-B	Research Building #4 Trenching
1	D-2-C	1-D-2-C	Research Building #4 Core and Shell
1	E	1-E	Buildings (research/active) - Architectural Coatings
1	E-1	1-E-1	Research Building #3
1	E-2	1-E-2	Research Building #4
1	F	1-F	Utilities/Roads - Grubbing and Land Clearing
1	G	1-G	Utilities/Roads - Excavation
1	H	1-H	Utilities/Roads - Drainage and Subgrade
1	I	1-I	Utilities/Roads - Paving
1	J	1-J	Surface Parking - Grading
1	K	1-K	Surface Parking - Site Preparation
1	L	1-L	Surface Parking - Paving
1	M	1-M	Phase Hauling
2	A	2-A	Buildings (all) - Site Preparation
2	B	2-B	Buildings (all) - Grading
2	C	2-C	Buildings (all) - Demolition
2	D	2-D	Buildings (research) - Vertical Construction
2	D-1-A	2-D-1-A	Research Building #1 Foundations
2	D-1-B	2-D-1-B	Research Building #1 Trenching
2	D-1-C	2-D-1-C	Research Building #1 Core and Shell
2	D-2-A	2-D-2-A	Research Building #5 Foundations
2	D-2-B	2-D-2-B	Research Building #5 Trenching
2	D-2-C	2-D-2-C	Research Building #5 Core and Shell
2	E	2-E	Buildings (research) - Architectural Coatings
2	E-1	2-E-1	Research Building #1

Phase	Sub-Phase	Code	Description
2	E-2	2-E-2	Research Building #5
2	F	2-F	Buildings (conference/hotel) - Vertical Construction
2	F-1-A	2-F-1-A	Buildings (conference/hotel) Foundations
2	F-1-B	2-F-1-B	Buildings (conference/hotel) Trenching
2	F-1-C	2-F-1-C	Buildings (conference/hotel) Core and Shell
2	G	2-G	Buildings (conference/hotel) - Architectural Coatings
2	H	2-H	Buildings (active) - Vertical Construction
2	H-1-A	2-H-1-A	Active use, #13 Foundations
2	H-1-B	2-H-1-B	Active use, #13 Trenching
2	H-1-C	2-H-1-C	Active use, #13 Core and Shell
2	H-2-A	2-H-2-A	Active use, #14 Foundations
2	H-2-B	2-H-2-B	Active use, #14 Trenching
2	H-2-C	2-H-2-C	Active use, #14 Core and Shell
2	I	2-I	Buildings (active) - Architectural Coatings
2	J	2-J	Utilities/Roads - Grubbing and Land Clearing
2	K	2-K	Utilities/Roads - Excavation
2	L	2-L	Utilities/Roads - Drainage and Subgrade
2	M	2-M	Utilities/Roads - Paving
2	N	2-N	Surface Parking - Grading
2	O	2-O	Surface Parking - Site Preparation
2	P	2-P	Surface Parking - Paving
2	Q	2-Q	Phase Hauling
3	A	3-A	Buildings (all) - Site Preparation
3	B	3-B	Buildings (all) - Grading
3	C	3-C	Buildings (all) - Demolition
3	D	3-D	Buildings (research/active) - Vertical Construction
3	D-1-A	3-D-1-A	Research Building #7 Foundations
3	D-1-B	3-D-1-B	Research Building #7 Trenching
3	D-1-C	3-D-1-C	Research Building #7 Core and Shell
3	D-2-A	3-D-2-A	Research Building #8 Foundations
3	D-2-B	3-D-2-B	Research Building #8 Trenching
3	D-2-C	3-D-2-C	Research Building #8 Core and Shell
3	E	3-E	Buildings (research/active) - Architectural Coatings
3	E-1	3-E-1	Research Building #7
3	E-2	3-E-2	Research Building #8
3	F	3-F	Utilities/Roads - Grubbing and Land Clearing
3	G	3-G	Utilities/Roads - Excavation
3	H	3-H	Utilities/Roads - Drainage and Subgrade
3	I	3-I	Utilities/Roads - Paving
3	J	3-J	Parking Structure - Grading
3	K	3-K	Parking Structure - Site Preparation
3	L	3-L	Parking Structure - Building Construction
3	M	3-M	Parking Structure - Building Coatings
3	N	3-N	Parking Structure - Paving
3	O	3-O	Surface Parking - Grading
3	P	3-P	Surface Parking - Site Preparation
3	Q	3-Q	Surface Parking - Paving
3	R	3-R	Phase Hauling
4	A	4-A	Buildings (all) - Site Preparation
4	B	4-B	Buildings (all) - Grading
4	C	4-C	Buildings (all) - Demolition

Phase	Sub-Phase	Code	Description
4	D	4-D	Buildings (research/active) - Vertical Construction
4	D-1-A	4-D-1-A	Research Building #9 Foundations
4	D-1-B	4-D-1-B	Research Building #9 Trenching
4	D-1-C	4-D-1-C	Research Building #9 Core and Shell
4	D-2-A	4-D-2-A	Research Building #10 Foundations
4	D-2-B	4-D-2-B	Research Building #10 Trenching
4	D-2-C	4-D-2-C	Research Building #10 Core and Shell
4	E	4-E	Buildings (research/active) - Architectural Coatings
4	E-1	4-E-1	Research Building #9
4	E-2	4-E-2	Research Building #10
4	F	4-F	Buildings (residential) - Vertical Construction
4	F-1-A	4-F-1-A	Buildings (residential) Foundations
4	F-1-B	4-F-1-B	Buildings (residential) Trenching
4	F-1-C	4-F-1-C	Buildings (residential) Core and Shell
4	G	4-G	Buildings (residential) - Architectural Coatings
4	H	4-H	Utilities/Roads - Grubbing and Land Clearing
4	I	4-I	Utilities/Roads - Excavation
4	J	4-J	Utilities/Roads - Drainage and Subgrade
4	K	4-K	Utilities/Roads - Paving
4	L	4-L	Parking Structure - Grading
4	M	4-M	Parking Structure - Site Preparation
4	N	4-N	Parking Structure - Building Construction
4	O	4-O	Parking Structure - Building Coatings
4	P	4-P	Parking Structure - Paving
4	Q	4-Q	Phase Hauling

A1.1.2 Phase 1 Construction CalEEMod Output

The CalEEMod output presents model inputs and outputs for construction of the CEQA Proposed Project, Phase 1. These emissions would also occur under the CEQA Proposed Project with either utility option and the CEQA Proposed Project with the Variant.

Neither total construction nor mobile-source emissions results in the CalEEMod output are adjusted to reflect the June 12, 2025, congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has developed off-model adjustment factors for NO_X, ROG, PM_{10}, and $PM_{2.5}$ that remove the estimated emissions benefits attributed to regulations. Emissions of these pollutants were separately quantified using the CalEEMod trip and milage inventory and emission factors from EMFAC2021 with the off-model adjustments per CARB's guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for mobile sources and the total phase emissions recalculated. Refer to Section A1.1.6 for the off-model calculations.

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3.29. 1-D-2-C (2028) - Unmitigated

3.30. 1-D-2-C (2028) - Mitigated

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3.53. 1-D-1-B (2027) - Unmitigated

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Moffett Alt 1 Construction Phase 1
Construction Start Date	6/1/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	28.2
Location	37.40646021370499, -122.05214834788202
County	Santa Clara
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1702
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	110	1000sqft	4.20	110,000	0.00	0.00	—	—
Research & Development	445	1000sqft	0.00	445,000	0.00	0.00	—	—

University/College (4yr)	58.0	Student	0.00	85,000	0.00	0.00	—	—
General Office Building	0.00	1000sqft	0.00	0.00	0.00	0.00	—	—
Regional Shopping Center	15.0	1000sqft	0.00	15,000	0.00	0.00	—	—
Hotel	0.00	Room	0.00	0.00	0.00	0.00	—	—
Apartments Mid Rise	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	—
Enclosed Parking with Elevator	0.00	1000sqft	0.00	0.00	0.00	0.00	—	—
Parking Lot	415	1000sqft	10.0	0.00	0.00	0.00	—	—
Road Construction	2.70	Mile	3.30	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-1-A	Use Electric or Hybrid Powered Equipment
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-4*	Use Local and Sustainable Building Materials
Construction	C-5	Use Advanced Engine Tiers
Construction	C-10-A	Water Exposed Surfaces
Construction	C-10-B	Water Active Demolition Sites
Construction	C-10-C	Water Unpaved Construction Roads
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-13	Use Low-VOC Paints for Construction

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	50.9	49.3	162	202	0.39	6.29	21.5	27.8	5.79	4.64	10.4	—	42,558	42,558	1.87	1.87	26.0	42,949
Mit.	20.1	19.9	43.8	185	0.31	1.16	18.3	19.4	1.11	4.29	5.40	—	36,664	36,664	1.65	1.86	26.0	37,156
% Reduced	61%	60%	73%	8%	20%	82%	15%	30%	81%	8%	48%	—	14%	14%	12%	< 0.5%	—	13%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	36.8	34.2	179	225	0.43	6.27	27.0	31.9	5.77	5.63	10.2	—	47,378	47,378	2.01	2.15	0.78	47,802
Mit.	12.5	12.1	50.1	195	0.32	1.05	22.0	23.1	1.00	5.08	6.08	—	37,880	37,880	1.73	2.15	0.78	38,270
% Reduced	66%	65%	72%	14%	25%	83%	18%	28%	83%	10%	40%	—	20%	20%	14%	< 0.5%	—	20%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	19.0	18.4	88.8	110	0.23	3.22	10.4	13.6	2.97	2.31	5.28	—	24,842	24,842	1.04	0.79	5.11	25,088
Mit.	7.61	7.51	20.0	97.0	0.17	0.53	9.12	9.64	0.51	2.17	2.68	—	19,676	19,676	0.88	0.76	5.11	19,929
% Reduced	60%	59%	77%	12%	27%	84%	13%	29%	83%	6%	49%	—	21%	21%	15%	4%	—	21%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.47	3.37	16.2	20.0	0.04	0.59	1.90	2.49	0.54	0.42	0.96	—	4,113	4,113	0.17	0.13	0.85	4,154
Mit.	1.39	1.37	3.66	17.7	0.03	0.10	1.66	1.76	0.09	0.40	0.49	—	3,258	3,258	0.15	0.13	0.85	3,300
% Reduced	60%	59%	77%	12%	27%	84%	13%	29%	83%	6%	49%	—	21%	21%	15%	4%	—	21%

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	10.5	8.21	80.8	89.2	0.18	3.52	18.8	22.4	3.25	4.05	7.30	—	23,514	23,514	1.33	1.87	26.0	24,132
2027	21.5	17.6	162	202	0.39	6.29	21.5	27.8	5.79	4.64	10.4	—	42,558	42,558	1.87	1.48	22.5	42,949
2028	22.9	19.6	150	197	0.39	4.67	18.6	23.2	4.28	3.76	7.92	—	42,409	42,409	1.75	1.03	15.0	42,774
2029	13.2	10.8	106	135	0.30	2.54	10.2	12.7	2.32	2.57	4.88	—	32,867	32,867	1.37	0.94	12.0	33,194
2030	50.9	49.3	86.5	108	0.22	1.46	9.37	10.8	1.35	2.34	3.69	—	24,648	24,648	1.02	0.65	8.65	24,876
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	10.5	8.16	81.5	88.7	0.18	3.52	18.8	22.4	3.25	4.05	7.30	—	23,450	23,450	1.34	1.87	0.68	24,043
2027	22.8	18.9	179	225	0.43	6.27	27.0	31.9	5.77	5.63	10.2	—	47,378	47,378	2.01	2.15	0.78	47,802
2028	16.5	13.6	132	168	0.35	3.78	11.4	15.2	3.46	2.86	6.32	—	37,939	37,939	1.58	1.04	0.37	38,290
2029	36.8	34.2	123	155	0.34	2.68	11.9	14.6	2.45	2.99	5.43	—	36,468	36,468	1.51	1.02	0.34	36,812
2030	30.0	28.6	70.0	87.4	0.19	1.33	7.67	9.00	1.23	1.92	3.15	—	20,858	20,858	0.89	0.65	0.20	21,075
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	3.94	3.06	30.6	33.5	0.07	1.32	6.86	8.18	1.22	1.49	2.71	—	8,921	8,921	0.51	0.71	4.26	9,150
2027	11.5	9.48	88.8	110	0.21	3.22	10.4	13.6	2.97	2.31	5.28	—	23,536	23,536	1.04	0.79	5.11	23,802
2028	10.9	8.99	84.4	105	0.23	2.23	7.98	10.2	2.04	1.93	3.97	—	24,842	24,842	1.04	0.72	4.23	25,088
2029	12.3	10.6	78.0	98.3	0.22	1.83	7.36	9.18	1.67	1.85	3.52	—	23,853	23,853	0.99	0.71	3.75	24,092
2030	19.0	18.4	29.6	35.9	0.08	0.47	3.64	4.11	0.43	0.91	1.35	—	8,600	8,600	0.37	0.30	1.62	8,699
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.72	0.56	5.58	6.11	0.01	0.24	1.25	1.49	0.22	0.27	0.49	—	1,477	1,477	0.08	0.12	0.71	1,515
2027	2.10	1.73	16.2	20.0	0.04	0.59	1.90	2.49	0.54	0.42	0.96	—	3,897	3,897	0.17	0.13	0.85	3,941
2028	1.98	1.64	15.4	19.2	0.04	0.41	1.46	1.86	0.37	0.35	0.72	—	4,113	4,113	0.17	0.12	0.70	4,154
2029	2.24	1.93	14.2	17.9	0.04	0.33	1.34	1.68	0.30	0.34	0.64	—	3,949	3,949	0.16	0.12	0.62	3,989
2030	3.47	3.37	5.39	6.56	0.01	0.09	0.67	0.75	0.08	0.17	0.25	—	1,424	1,424	0.06	0.05	0.27	1,440

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	2.54	1.69	27.0	81.9	0.17	0.33	15.8	16.2	0.33	3.70	4.04	—	22,381	22,381	1.29	1.86	26.0	22,995
2027	6.22	5.26	43.8	185	0.31	1.16	18.3	19.4	1.11	4.29	5.40	—	36,664	36,664	1.65	1.44	22.5	37,156
2028	7.34	6.98	20.8	165	0.28	0.57	14.7	15.3	0.54	3.34	3.87	—	32,910	32,910	1.36	0.95	15.0	33,243
2029	2.47	2.15	13.7	101	0.20	0.40	10.2	10.6	0.38	2.57	2.94	—	23,369	23,369	0.98	0.86	12.0	23,662
2030	20.1	19.9	7.85	53.6	0.10	0.20	9.37	9.57	0.20	2.34	2.54	—	13,252	13,252	0.56	0.56	8.65	13,440
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	2.52	1.64	27.8	81.3	0.17	0.33	15.8	16.2	0.33	3.70	4.04	—	22,317	22,317	1.29	1.87	0.68	22,906
2027	5.70	4.36	50.1	195	0.32	1.05	22.0	23.1	1.00	5.08	6.08	—	37,880	37,880	1.73	2.15	0.78	38,270
2028	3.05	2.72	17.9	135	0.24	0.49	11.4	11.9	0.47	2.86	3.33	—	28,440	28,440	1.20	0.97	0.37	28,759
2029	12.5	12.1	14.1	101	0.20	0.40	11.9	12.3	0.38	2.99	3.36	—	23,646	23,646	0.99	0.92	0.34	23,946
2030	11.2	11.0	8.00	51.6	0.10	0.20	7.67	7.87	0.20	1.92	2.12	—	12,785	12,785	0.56	0.59	0.20	12,975
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.96	0.62	10.4	31.1	0.07	0.13	5.84	5.97	0.13	1.37	1.50	—	8,549	8,549	0.49	0.71	4.26	8,777
2027	2.92	2.48	20.0	97.0	0.17	0.53	9.12	9.64	0.51	2.17	2.68	—	19,676	19,676	0.88	0.76	5.11	19,929
2028	2.28	2.04	11.1	80.3	0.15	0.31	7.67	7.97	0.29	1.90	2.19	—	18,038	18,038	0.76	0.67	4.23	18,261
2029	2.98	2.75	9.90	71.5	0.14	0.28	7.36	7.64	0.27	1.85	2.12	—	16,667	16,667	0.70	0.65	3.75	16,882
2030	7.61	7.51	3.14	16.3	0.04	0.07	3.64	3.71	0.07	0.91	0.98	—	4,605	4,605	0.21	0.26	1.62	4,691
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.18	0.11	1.90	5.68	0.01	0.02	1.07	1.09	0.02	0.25	0.27	—	1,415	1,415	0.08	0.12	0.71	1,453
2027	0.53	0.45	3.66	17.7	0.03	0.10	1.66	1.76	0.09	0.40	0.49	—	3,258	3,258	0.15	0.13	0.85	3,300
2028	0.42	0.37	2.02	14.6	0.03	0.06	1.40	1.46	0.05	0.35	0.40	—	2,986	2,986	0.13	0.11	0.70	3,023

2029	0.54	0.50	1.81	13.0	0.03	0.05	1.34	1.39	0.05	0.34	0.39	—	2,759	2,759	0.12	0.11	0.62	2,795
2030	1.39	1.37	0.57	2.98	0.01	0.01	0.67	0.68	0.01	0.17	0.18	—	762	762	0.04	0.04	0.27	777

3. Construction Emissions Details

3.1. 1-C (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.86	1.56	14.2	15.6	0.03	0.53	—	0.53	0.49	—	0.49	—	2,589	2,589	0.11	0.02	—	2,598
Demolition	—	—	—	—	—	—	1.13	1.13	—	0.17	0.17	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.86	1.56	14.2	15.6	0.03	0.53	—	0.53	0.49	—	0.49	—	2,589	2,589	0.11	0.02	—	2,598
Demolition	—	—	—	—	—	—	1.13	1.13	—	0.17	0.17	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.78	0.65	5.96	6.52	0.01	0.22	—	0.22	0.21	—	0.21	—	1,084	1,084	0.04	0.01	—	1,088
Demolition	—	—	—	—	—	—	0.47	0.47	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.09	1.19	< 0.005	0.04	—	0.04	0.04	—	0.04	—	180	180	0.01	< 0.005	—	180
Demolition	—	—	—	—	—	—	0.09	0.09	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.76	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	168	168	< 0.005	0.01	0.61	171
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.43	0.09	5.22	2.53	0.03	0.06	3.91	3.97	0.06	1.01	1.06	—	4,367	4,367	0.34	0.70	9.14	4,594
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.06	0.65	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	156	156	< 0.005	0.01	0.02	158
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.42	0.08	5.50	2.54	0.03	0.06	3.91	3.97	0.06	1.01	1.06	—	4,368	4,368	0.34	0.70	0.24	4,586
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.27	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	66.0	66.0	< 0.005	< 0.005	0.11	66.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.18	0.04	2.26	1.06	0.01	0.02	1.61	1.63	0.02	0.41	0.44	—	1,829	1,829	0.14	0.29	1.65	1,922

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.9	10.9	< 0.005	< 0.005	0.02	11.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.41	0.19	< 0.005	< 0.005	0.29	0.30	< 0.005	0.08	0.08	—	303	303	0.02	0.05	0.27	318

3.2. 1-C (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.28	3.96	15.3	0.03	0.05	—	0.05	0.05	—	0.05	—	2,589	2,589	0.11	0.02	—	2,598
Demolition	—	—	—	—	—	—	0.72	0.72	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.28	3.96	15.3	0.03	0.05	—	0.05	0.05	—	0.05	—	2,589	2,589	0.11	0.02	—	2,598
Demolition	—	—	—	—	—	—	0.72	0.72	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.12	0.12	1.66	6.39	0.01	0.02	—	0.02	0.02	—	0.02	—	1,084	1,084	0.04	0.01	—	1,088
Demolition	—	—	—	—	—	—	0.30	0.30	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.30	1.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	180	180	0.01	< 0.005	—	180
Demolition	—	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.76	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	168	168	< 0.005	0.01	0.61	171
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.43	0.09	5.22	2.53	0.03	0.06	3.91	3.97	0.06	1.01	1.06	—	4,367	4,367	0.34	0.70	9.14	4,594
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.06	0.65	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	156	156	< 0.005	0.01	0.02	158
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.42	0.08	5.50	2.54	0.03	0.06	3.91	3.97	0.06	1.01	1.06	—	4,368	4,368	0.34	0.70	0.24	4,586
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.27	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	66.0	66.0	< 0.005	< 0.005	0.11	66.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.18	0.04	2.26	1.06	0.01	0.02	1.61	1.63	0.02	0.41	0.44	—	1,829	1,829	0.14	0.29	1.65	1,922

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.9	10.9	< 0.005	< 0.005	0.02	11.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.41	0.19	< 0.005	< 0.005	0.29	0.30	< 0.005	0.08	0.08	—	303	303	0.02	0.05	0.27	318

3.3. 1-C (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.80	1.50	13.7	15.4	0.03	0.49	—	0.49	0.45	—	0.45	—	2,589	2,589	0.11	0.02	—	2,598
Demolition	—	—	—	—	—	—	1.13	1.13	—	0.17	0.17	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.07	5.07	< 0.005	< 0.005	—	5.08
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.84	0.84	< 0.005	< 0.005	—	0.84
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.61	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	153	153	< 0.005	0.01	0.01	155
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.40	0.08	5.30	2.49	0.03	0.06	3.91	3.97	0.06	1.01	1.06	—	4,269	4,269	0.34	0.67	0.22	4,478
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.30	0.30	< 0.005	< 0.005	< 0.005	0.31
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	8.35	8.35	< 0.005	< 0.005	0.01	8.77
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.05	0.05	< 0.005	< 0.005	< 0.005	0.05
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.38	1.38	< 0.005	< 0.005	< 0.005	1.45

3.4. 1-C (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.28	3.96	15.3	0.03	0.05	—	0.05	0.05	—	0.05	—	2,589	2,589	0.11	0.02	—	2,598
Demolition	—	—	—	—	—	—	0.72	0.72	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.07	5.07	< 0.005	< 0.005	—	5.08
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.84	0.84	< 0.005	< 0.005	—	0.84
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.61	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	153	153	< 0.005	0.01	0.01	155
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.40	0.08	5.30	2.49	0.03	0.06	3.91	3.97	0.06	1.01	1.06	—	4,269	4,269	0.34	0.67	0.22	4,478
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.30	0.30	< 0.005	< 0.005	< 0.005	0.31
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	8.35	8.35	< 0.005	< 0.005	0.01	8.77
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.05	0.05	< 0.005	< 0.005	< 0.005	0.05
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.38	1.38	< 0.005	< 0.005	< 0.005	1.45

3.5. 1-A (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.20	1.85	16.2	18.0	0.02	0.85	—	0.85	0.78	—	0.78	—	2,528	2,528	0.10	0.02	—	2,537
Dust From Material Movemer	—	—	—	—	—	—	2.12	2.12	—	0.23	0.23	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.20	1.85	16.2	18.0	0.02	0.85	—	0.85	0.78	—	0.78	—	2,528	2,528	0.10	0.02	—	2,537
Dust From Material Movemer	—	—	—	—	—	—	2.12	2.12	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	0.77	6.77	7.53	0.01	0.36	—	0.36	0.33	—	0.33	—	1,059	1,059	0.04	0.01	—	1,062
Dust From Material Movemer	—	—	—	—	—	—	0.89	0.89	—	0.10	0.10	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.24	1.37	< 0.005	0.07	—	0.07	0.06	—	0.06	—	175	175	0.01	< 0.005	—	176
Dust From Material Movemer	—	—	—	—	—	—	0.16	0.16	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.06	1.14	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	252	252	< 0.005	0.01	0.92	256
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.22	0.05	2.71	1.31	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	2,271	2,271	0.18	0.37	4.75	2,389
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.08	0.98	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	234	234	0.01	0.01	0.02	237
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.22	0.04	2.86	1.32	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	2,271	2,271	0.18	0.37	0.12	2,385
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.40	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	98.9	98.9	< 0.005	< 0.005	0.17	100
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.18	0.55	0.01	0.01	0.84	0.85	0.01	0.22	0.23	—	951	951	0.07	0.15	0.86	999
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	16.4	16.4	< 0.005	< 0.005	0.03	16.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.21	0.10	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.04	—	157	157	0.01	0.03	0.14	165

3.6. 1-A (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,962	1,962	0.08	0.02	—	1,968
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,962	1,962	0.08	0.02	—	1,968
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.09	1.40	5.75	0.01	0.02	—	0.02	0.02	—	0.02	—	822	822	0.03	0.01	—	824
Dust From Material Movemer	—	—	—	—	—	—	0.35	0.35	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.26	1.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	136	136	0.01	< 0.005	—	136

Dust From Material Movemer	—	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.06	1.14	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	252	252	< 0.005	0.01	0.92	256
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.22	0.05	2.71	1.31	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	2,271	2,271	0.18	0.37	4.75	2,389
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.08	0.98	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	234	234	0.01	0.01	0.02	237
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.22	0.04	2.86	1.32	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	2,271	2,271	0.18	0.37	0.12	2,385
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.40	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	98.9	98.9	< 0.005	< 0.005	0.17	100
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.18	0.55	0.01	0.01	0.84	0.85	0.01	0.22	0.23	—	951	951	0.07	0.15	0.86	999
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	16.4	16.4	< 0.005	< 0.005	0.03	16.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.21	0.10	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.04	—	157	157	0.01	0.03	0.14	165

3.7. 1-A (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.04	1.71	15.2	17.9	0.02	0.74	—	0.74	0.68	—	0.68	—	2,530	2,530	0.10	0.02	—	2,539
Dust From Material Movemer	—	—	—	—	—	—	2.12	2.12	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.95	4.95	< 0.005	< 0.005	—	4.97
Dust From Material Movemer	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.82	0.82	< 0.005	< 0.005	—	0.82

Dust From Material Movemer	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	0.91	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	229	229	0.01	0.01	0.02	232
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.21	0.04	2.76	1.29	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	2,220	2,220	0.18	0.35	0.11	2,329
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.45	0.45	< 0.005	< 0.005	< 0.005	0.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.34	4.34	< 0.005	< 0.005	< 0.005	4.56
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.08
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.72	0.72	< 0.005	< 0.005	< 0.005	0.75

3.8. 1-A (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,963	1,963	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.84	3.84	< 0.005	< 0.005	—	3.85
Dust From Material Movemer	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.64	0.64	< 0.005	< 0.005	—	0.64
Dust From Material Movemer	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	0.91	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	229	229	0.01	0.01	0.02	232
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.21	0.04	2.76	1.29	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	2,220	2,220	0.18	0.35	0.11	2,329
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.45	0.45	< 0.005	< 0.005	< 0.005	0.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.34	4.34	< 0.005	< 0.005	< 0.005	4.56
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.08
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.72	0.72	< 0.005	< 0.005	< 0.005	0.75

3.9. 1-K (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.47	2.08	18.3	27.1	0.04	0.89	—	0.89	0.82	—	0.82	—	4,112	4,112	0.17	0.03	—	4,126
Dust From Material Movemer	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.20	1.75	2.60	< 0.005	0.09	—	0.09	0.08	—	0.08	—	394	394	0.02	< 0.005	—	396
Dust From Material Movemer	—	—	—	—	—	—	0.31	0.31	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.32	0.48	< 0.005	0.02	—	0.02	0.01	—	0.01	—	65.3	65.3	< 0.005	< 0.005	—	65.5
Dust From Material Movemer	—	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.05	1.01	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	243	243	< 0.005	< 0.005	0.75	245
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	21.9	21.9	< 0.005	< 0.005	0.03	22.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.62	3.62	< 0.005	< 0.005	0.01	3.67
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. 1-K (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,112	4,112	0.17	0.03	—	4,126

Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.31	2.76	< 0.005	0.01	—	0.01	0.01	—	0.01	—	394	394	0.02	< 0.005	—	396
Dust From Material Movemer	—	—	—	—	—	—	0.12	0.12	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.50	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	65.3	65.3	< 0.005	< 0.005	—	65.5
Dust From Material Movemer	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.05	1.01	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	243	243	< 0.005	< 0.005	0.75	245

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	21.9	21.9	< 0.005	< 0.005	0.03	22.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.62	3.62	< 0.005	< 0.005	0.01	3.67
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. 1-B (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.20	1.85	16.2	18.0	0.02	0.85	—	0.85	0.78	—	0.78	—	2,528	2,528	0.10	0.02	—	2,537
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.20	1.85	16.2	18.0	0.02	0.85	—	0.85	0.78	—	0.78	—	2,528	2,528	0.10	0.02	—	2,537
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	0.44	3.86	4.29	0.01	0.20	—	0.20	0.19	—	0.19	—	604	604	0.02	< 0.005	—	606
Dust From Material Movemer	—	—	—	—	—	—	0.51	0.51	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.70	0.78	< 0.005	0.04	—	0.04	0.03	—	0.03	—	99.9	99.9	< 0.005	< 0.005	—	100
Dust From Material Movemer	—	—	—	—	—	—	0.09	0.09	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.06	1.14	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	252	252	< 0.005	0.01	0.92	256
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.22	0.05	2.71	1.31	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	2,271	2,271	0.18	0.37	4.75	2,389
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.08	0.98	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	234	234	0.01	0.01	0.02	237
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.22	0.04	2.86	1.32	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	2,271	2,271	0.18	0.37	0.12	2,385
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	56.4	56.4	< 0.005	< 0.005	0.09	57.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.67	0.31	< 0.005	0.01	0.48	0.48	0.01	0.12	0.13	—	542	542	0.04	0.09	0.49	570
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	9.34	9.34	< 0.005	< 0.005	0.02	9.47
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	89.8	89.8	0.01	0.01	0.08	94.3

3.12. 1-B (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,962	1,962	0.08	0.02	—	1,968
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,962	1,962	0.08	0.02	—	1,968
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.80	3.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	468	468	0.02	< 0.005	—	470
Dust From Material Movemer	—	—	—	—	—	—	0.20	0.20	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.01	0.15	0.60	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	77.5	77.5	< 0.005	< 0.005	—	77.8
Dust From Material Movemer	—	—	—	—	—	—	0.04	0.04	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.06	1.14	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	252	252	< 0.005	0.01	0.92	256
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.22	0.05	2.71	1.31	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	2,271	2,271	0.18	0.37	4.75	2,389
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.08	0.98	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	234	234	0.01	0.01	0.02	237
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.22	0.04	2.86	1.32	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	2,271	2,271	0.18	0.37	0.12	2,385
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	56.4	56.4	< 0.005	< 0.005	0.09	57.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.67	0.31	< 0.005	0.01	0.48	0.48	0.01	0.12	0.13	—	542	542	0.04	0.09	0.49	570
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	9.34	9.34	< 0.005	< 0.005	0.02	9.47
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	89.8	89.8	0.01	0.01	0.08	94.3

3.13. 1-B (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.04	1.71	15.2	17.9	0.02	0.74	—	0.74	0.68	—	0.68	—	2,530	2,530	0.10	0.02	—	2,539
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.04	1.71	15.2	17.9	0.02	0.74	—	0.74	0.68	—	0.68	—	2,530	2,530	0.10	0.02	—	2,539
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	0.51	4.53	5.32	0.01	0.22	—	0.22	0.20	—	0.20	—	753	753	0.03	0.01	—	755

Dust From Material Movemer	—	—	—	—	—	—	0.63	0.63	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.83	0.97	< 0.005	0.04	—	0.04	0.04	—	0.04	—	125	125	0.01	< 0.005	—	125
Dust From Material Movemer	—	—	—	—	—	—	0.12	0.12	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	1.07	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	248	248	< 0.005	0.01	0.83	251
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.21	0.05	2.61	1.29	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	2,219	2,219	0.18	0.35	4.36	2,332
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	0.91	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	229	229	0.01	0.01	0.02	232
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.21	0.04	2.76	1.29	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	2,220	2,220	0.18	0.35	0.11	2,329
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.27	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	69.0	69.0	< 0.005	< 0.005	0.11	70.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.06	0.01	0.80	0.38	< 0.005	0.01	0.59	0.60	0.01	0.15	0.16	—	660	660	0.05	0.10	0.56	693
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	11.4	11.4	< 0.005	< 0.005	0.02	11.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	109	109	0.01	0.02	0.09	115

3.14. 1-B (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,963	1,963	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,963	1,963	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.99	4.08	0.01	0.01	—	0.01	0.01	—	0.01	—	584	584	0.02	< 0.005	—	586
Dust From Material Movemer	—	—	—	—	—	—	0.25	0.25	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.18	0.74	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	96.7	96.7	< 0.005	< 0.005	—	97.0
Dust From Material Movemer	—	—	—	—	—	—	0.05	0.05	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	1.07	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	248	248	< 0.005	0.01	0.83	251
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.21	0.05	2.61	1.29	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	2,219	2,219	0.18	0.35	4.36	2,332
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	0.91	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	229	229	0.01	0.01	0.02	232

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.21	0.04	2.76	1.29	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	2,220	2,220	0.18	0.35	0.11	2,329
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.27	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	69.0	69.0	< 0.005	< 0.005	0.11	70.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	0.01	0.80	0.38	< 0.005	0.01	0.59	0.60	0.01	0.15	0.16	—	660	660	0.05	0.10	0.56	693
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	11.4	11.4	< 0.005	< 0.005	0.02	11.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	109	109	0.01	0.02	0.09	115

3.15. 1-J (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.47	2.08	18.3	27.1	0.04	0.89	—	0.89	0.82	—	0.82	—	4,112	4,112	0.17	0.03	—	4,126
Dust From Material Movemer	—	—	—	—	—	—	3.20	3.20	—	0.35	0.35	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.14	1.20	1.79	< 0.005	0.06	—	0.06	0.05	—	0.05	—	270	270	0.01	< 0.005	—	271
Dust From Material Movemer	—	—	—	—	—	—	0.21	0.21	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.22	0.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	44.8	44.8	< 0.005	< 0.005	—	44.9
Dust From Material Movemer	—	—	—	—	—	—	0.04	0.04	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.05	1.01	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	243	243	< 0.005	< 0.005	0.75	245
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	15.0	15.0	< 0.005	< 0.005	0.02	15.2

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.48	2.48	< 0.005	< 0.005	< 0.005	2.52
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. 1-J (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,112	4,112	0.17	0.03	—	4,126
Dust From Material Movemer	—	—	—	—	—	—	1.25	1.25	—	0.14	0.14	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.21	1.89	< 0.005	0.01	—	0.01	0.01	—	0.01	—	270	270	0.01	< 0.005	—	271

Dust From Material Movemer	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.34	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	44.8	44.8	< 0.005	< 0.005	—	44.9
Dust From Material Movemer	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.05	1.01	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	243	243	< 0.005	< 0.005	0.75	245
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	15.0	15.0	< 0.005	< 0.005	0.02	15.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.48	2.48	< 0.005	< 0.005	< 0.005	2.52

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. 1-D-1-A (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.12	1.52	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	382	382	0.01	0.02	0.04	387
Vendor	0.06	0.02	0.82	0.40	< 0.005	0.01	0.64	0.65	0.01	0.16	0.17	—	650	650	0.04	0.10	0.04	680
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.26	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	67.8	67.8	< 0.005	< 0.005	0.10	68.8
Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	114	114	0.01	0.02	0.11	119
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	11.2	11.2	< 0.005	< 0.005	0.02	11.4
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	18.9	18.9	< 0.005	< 0.005	0.02	19.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.18. 1-D-1-A (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.12	1.52	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	382	382	0.01	0.02	0.04	387
Vendor	0.06	0.02	0.82	0.40	< 0.005	0.01	0.64	0.65	0.01	0.16	0.17	—	650	650	0.04	0.10	0.04	680
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.26	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	67.8	67.8	< 0.005	< 0.005	0.10	68.8
Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	114	114	0.01	0.02	0.11	119
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	11.2	11.2	< 0.005	< 0.005	0.02	11.4
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	18.9	18.9	< 0.005	< 0.005	0.02	19.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.19. 1-D-1-C (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.69	5.58	55.0	64.5	0.13	1.50	—	1.50	1.38	—	1.38	—	13,470	13,470	0.55	0.11	—	13,517
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.69	5.58	55.0	64.5	0.13	1.50	—	1.50	1.38	—	1.38	—	13,470	13,470	0.55	0.11	—	13,517
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.60	3.01	29.6	34.7	0.07	0.81	—	0.81	0.74	—	0.74	—	7,249	7,249	0.29	0.06	—	7,274
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	0.55	5.41	6.34	0.01	0.15	—	0.15	0.14	—	0.14	—	1,200	1,200	0.05	0.01	—	1,204
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.17	2.85	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	660	660	0.01	0.03	2.22	671
Vendor	0.11	0.03	1.54	0.69	0.01	0.02	1.52	1.54	0.02	0.39	0.41	—	1,511	1,511	0.08	0.22	3.40	1,583
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.20	2.43	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	612	612	0.01	0.03	0.06	620

Vendor	0.11	0.03	1.62	0.70	0.01	0.02	1.52	1.54	0.02	0.39	0.41	—	1,511	1,511	0.07	0.22	0.09	1,580
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.11	0.10	1.30	0.00	0.00	1.44	1.44	0.00	0.35	0.35	—	333	333	0.01	0.01	0.51	338
Vendor	0.06	0.02	0.86	0.37	0.01	0.01	0.80	0.82	0.01	0.21	0.22	—	813	813	0.04	0.12	0.79	851
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	55.1	55.1	< 0.005	< 0.005	0.09	55.9
Vendor	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.04	—	135	135	0.01	0.02	0.13	141
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.20. 1-D-1-C (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,721	8,721	0.35	0.07	—	8,751
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,721	8,721	0.35	0.07	—	8,751

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.44	2.31	25.1	0.04	0.09	—	0.09	0.09	—	0.09	—	4,693	4,693	0.19	0.04	—	4,709
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	0.42	4.59	0.01	0.02	—	0.02	0.02	—	0.02	—	777	777	0.03	0.01	—	780
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.17	2.85	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	660	660	0.01	0.03	2.22	671
Vendor	0.11	0.03	1.54	0.69	0.01	0.02	1.52	1.54	0.02	0.39	0.41	—	1,511	1,511	0.08	0.22	3.40	1,583
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.20	2.43	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	612	612	0.01	0.03	0.06	620
Vendor	0.11	0.03	1.62	0.70	0.01	0.02	1.52	1.54	0.02	0.39	0.41	—	1,511	1,511	0.07	0.22	0.09	1,580
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.11	0.10	1.30	0.00	0.00	1.44	1.44	0.00	0.35	0.35	—	333	333	0.01	0.01	0.51	338
Vendor	0.06	0.02	0.86	0.37	0.01	0.01	0.80	0.82	0.01	0.21	0.22	—	813	813	0.04	0.12	0.79	851

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	55.1	55.1	< 0.005	< 0.005	0.09	55.9
Vendor	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.04	—	135	135	0.01	0.02	0.13	141
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. 1-D-1-C (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.41	5.35	52.5	64.3	0.13	1.35	—	1.35	1.24	—	1.24	—	13,474	13,474	0.55	0.11	—	13,520
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.41	5.35	52.5	64.3	0.13	1.35	—	1.35	1.24	—	1.24	—	13,474	13,474	0.55	0.11	—	13,520
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.59	3.83	37.6	46.1	0.10	0.96	—	0.96	0.89	—	0.89	—	9,651	9,651	0.39	0.08	—	9,684

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.84	0.70	6.86	8.41	0.02	0.18	—	0.18	0.16	—	0.16	—	1,598	1,598	0.06	0.01	—	1,603
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.15	2.68	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	649	649	0.01	0.01	1.99	653
Vendor	0.11	0.03	1.45	0.65	0.01	0.02	1.52	1.54	0.01	0.39	0.40	—	1,473	1,473	0.06	0.21	3.01	1,542
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.21	0.20	2.29	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	601	601	0.01	0.03	0.05	609
Vendor	0.10	0.03	1.54	0.66	0.01	0.02	1.52	1.54	0.01	0.39	0.40	—	1,474	1,474	0.06	0.21	0.08	1,539
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.12	1.63	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	435	435	0.01	0.02	0.62	442
Vendor	0.08	0.02	1.08	0.47	0.01	0.02	1.07	1.09	0.01	0.28	0.28	—	1,055	1,055	0.05	0.15	0.93	1,103
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.30	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	72.1	72.1	< 0.005	< 0.005	0.10	73.1
Vendor	0.01	< 0.005	0.20	0.09	< 0.005	< 0.005	0.20	0.20	< 0.005	0.05	0.05	—	175	175	0.01	0.03	0.15	183
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.22. 1-D-1-C (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,725	8,725	0.35	0.07	—	8,754
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,725	8,725	0.35	0.07	—	8,754
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.59	3.08	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,249	6,249	0.25	0.05	—	6,270
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.56	6.10	0.01	0.02	—	0.02	0.02	—	0.02	—	1,035	1,035	0.04	0.01	—	1,038

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.15	2.68	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	649	649	0.01	0.01	1.99	653
Vendor	0.11	0.03	1.45	0.65	0.01	0.02	1.52	1.54	0.01	0.39	0.40	—	1,473	1,473	0.06	0.21	3.01	1,542
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.21	0.20	2.29	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	601	601	0.01	0.03	0.05	609
Vendor	0.10	0.03	1.54	0.66	0.01	0.02	1.52	1.54	0.01	0.39	0.40	—	1,474	1,474	0.06	0.21	0.08	1,539
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.12	1.63	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	435	435	0.01	0.02	0.62	442
Vendor	0.08	0.02	1.08	0.47	0.01	0.02	1.07	1.09	0.01	0.28	0.28	—	1,055	1,055	0.05	0.15	0.93	1,103
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.30	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	72.1	72.1	< 0.005	< 0.005	0.10	73.1
Vendor	0.01	< 0.005	0.20	0.09	< 0.005	< 0.005	0.20	0.20	< 0.005	0.05	0.05	—	175	175	0.01	0.03	0.15	183
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.23. 1-D-1-C (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.18	5.16	50.6	63.9	0.13	1.23	—	1.23	1.14	—	1.14	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.18	5.16	50.6	63.9	0.13	1.23	—	1.23	1.14	—	1.14	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.40	3.68	36.0	45.5	0.10	0.88	—	0.88	0.81	—	0.81	—	9,597	9,597	0.39	0.08	—	9,630
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	0.67	6.58	8.30	0.02	0.16	—	0.16	0.15	—	0.15	—	1,589	1,589	0.06	0.01	—	1,594
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.23	0.20	0.14	2.53	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	638	638	0.01	0.01	1.78	642
Vendor	0.10	0.03	1.38	0.63	0.01	0.02	1.52	1.54	0.01	0.39	0.40	—	1,432	1,432	0.06	0.21	2.66	1,499
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.20	0.17	2.17	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	591	591	0.01	0.03	0.05	599
Vendor	0.10	0.03	1.46	0.64	0.01	0.02	1.52	1.54	0.01	0.39	0.40	—	1,432	1,432	0.06	0.21	0.07	1,497
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.10	1.52	0.00	0.00	1.90	1.90	0.00	0.47	0.47	—	426	426	0.01	0.02	0.55	432
Vendor	0.07	0.02	1.02	0.45	0.01	0.02	1.06	1.08	0.01	0.27	0.28	—	1,020	1,020	0.05	0.15	0.82	1,067
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.28	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	70.5	70.5	< 0.005	< 0.005	0.09	71.5
Vendor	0.01	< 0.005	0.19	0.08	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	169	169	0.01	0.03	0.14	177
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.24. 1-D-1-C (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.59	3.06	33.3	0.06	0.12	—	0.12	0.12	—	0.12	—	6,214	6,214	0.25	0.05	—	6,235
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.56	6.07	0.01	0.02	—	0.02	0.02	—	0.02	—	1,029	1,029	0.04	0.01	—	1,032
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.20	0.14	2.53	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	638	638	0.01	0.01	1.78	642
Vendor	0.10	0.03	1.38	0.63	0.01	0.02	1.52	1.54	0.01	0.39	0.40	—	1,432	1,432	0.06	0.21	2.66	1,499
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.22	0.20	0.17	2.17	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	591	591	0.01	0.03	0.05	599
Vendor	0.10	0.03	1.46	0.64	0.01	0.02	1.52	1.54	0.01	0.39	0.40	—	1,432	1,432	0.06	0.21	0.07	1,497
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.10	1.52	0.00	0.00	1.90	1.90	0.00	0.47	0.47	—	426	426	0.01	0.02	0.55	432
Vendor	0.07	0.02	1.02	0.45	0.01	0.02	1.06	1.08	0.01	0.27	0.28	—	1,020	1,020	0.05	0.15	0.82	1,067
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.28	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	70.5	70.5	< 0.005	< 0.005	0.09	71.5
Vendor	0.01	< 0.005	0.19	0.08	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	169	169	0.01	0.03	0.14	177
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.25. 1-D-2-A (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.10	1.78	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	413	413	0.01	0.02	1.39	419
Vendor	0.06	0.02	0.79	0.39	< 0.005	0.01	0.64	0.65	0.01	0.16	0.17	—	649	649	0.04	0.10	1.43	680
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.27	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	69.9	69.9	< 0.005	< 0.005	0.11	70.9
Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.11	0.12	< 0.005	0.03	0.03	—	117	117	0.01	0.02	0.11	123
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	11.6	11.6	< 0.005	< 0.005	0.02	11.7
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	19.4	19.4	< 0.005	< 0.005	0.02	20.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.26. 1-D-2-A (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.10	1.78	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	413	413	0.01	0.02	1.39	419
Vendor	0.06	0.02	0.79	0.39	< 0.005	0.01	0.64	0.65	0.01	0.16	0.17	—	649	649	0.04	0.10	1.43	680
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.27	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	69.9	69.9	< 0.005	< 0.005	0.11	70.9
Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.11	0.12	< 0.005	0.03	0.03	—	117	117	0.01	0.02	0.11	123
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	11.6	11.6	< 0.005	< 0.005	0.02	11.7
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	19.4	19.4	< 0.005	< 0.005	0.02	20.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.27. 1-D-2-C (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.69	5.58	55.0	64.5	0.13	1.50	—	1.50	1.38	—	1.38	—	13,470	13,470	0.55	0.11	—	13,517
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.69	5.58	55.0	64.5	0.13	1.50	—	1.50	1.38	—	1.38	—	13,470	13,470	0.55	0.11	—	13,517
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.60	1.33	13.1	15.4	0.03	0.36	—	0.36	0.33	—	0.33	—	3,216	3,216	0.13	0.03	—	3,227
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.24	2.40	2.81	0.01	0.07	—	0.07	0.06	—	0.06	—	532	532	0.02	< 0.005	—	534
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.17	2.85	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	660	660	0.01	0.03	2.22	671
Vendor	0.11	0.03	1.54	0.69	0.01	0.02	1.52	1.54	0.02	0.39	0.41	—	1,511	1,511	0.08	0.22	3.40	1,583
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.20	2.43	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	612	612	0.01	0.03	0.06	620
Vendor	0.11	0.03	1.62	0.70	0.01	0.02	1.52	1.54	0.02	0.39	0.41	—	1,511	1,511	0.07	0.22	0.09	1,580
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.58	0.00	0.00	0.64	0.64	0.00	0.16	0.16	—	148	148	< 0.005	0.01	0.23	150
Vendor	0.03	0.01	0.38	0.17	< 0.005	0.01	0.36	0.36	0.01	0.09	0.10	—	361	361	0.02	0.05	0.35	378
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	24.4	24.4	< 0.005	< 0.005	0.04	24.8
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	59.7	59.7	< 0.005	0.01	0.06	62.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.28. 1-D-2-C (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,721	8,721	0.35	0.07	—	8,751
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,721	8,721	0.35	0.07	—	8,751
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.20	1.03	11.1	0.02	0.04	—	0.04	0.04	—	0.04	—	2,082	2,082	0.08	0.02	—	2,089
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.19	2.03	< 0.005	0.01	—	0.01	0.01	—	0.01	—	345	345	0.01	< 0.005	—	346
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.17	2.85	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	660	660	0.01	0.03	2.22	671
Vendor	0.11	0.03	1.54	0.69	0.01	0.02	1.52	1.54	0.02	0.39	0.41	—	1,511	1,511	0.08	0.22	3.40	1,583
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.20	2.43	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	612	612	0.01	0.03	0.06	620
Vendor	0.11	0.03	1.62	0.70	0.01	0.02	1.52	1.54	0.02	0.39	0.41	—	1,511	1,511	0.07	0.22	0.09	1,580
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.58	0.00	0.00	0.64	0.64	0.00	0.16	0.16	—	148	148	< 0.005	0.01	0.23	150
Vendor	0.03	0.01	0.38	0.17	< 0.005	0.01	0.36	0.36	0.01	0.09	0.10	—	361	361	0.02	0.05	0.35	378
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	24.4	24.4	< 0.005	< 0.005	0.04	24.8
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	59.7	59.7	< 0.005	0.01	0.06	62.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.29. 1-D-2-C (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.41	5.35	52.5	64.3	0.13	1.35	—	1.35	1.24	—	1.24	—	13,474	13,474	0.55	0.11	—	13,520
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipmer	6.41 t	5.35	52.5	64.3	0.13	1.35	—	1.35	1.24	—	1.24	—	13,474	13,474	0.55	0.11	—	13,520
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	4.59	3.83	37.6	46.1	0.10	0.96	—	0.96	0.89	—	0.89	—	9,651	9,651	0.39	0.08	—	9,684
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.84	0.70	6.86	8.41	0.02	0.18	—	0.18	0.16	—	0.16	—	1,598	1,598	0.06	0.01	—	1,603
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.15	2.68	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	649	649	0.01	0.01	1.99	653
Vendor	0.11	0.03	1.45	0.65	0.01	0.02	1.52	1.54	0.01	0.39	0.40	—	1,473	1,473	0.06	0.21	3.01	1,542
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.21	0.20	2.29	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	601	601	0.01	0.03	0.05	609
Vendor	0.10	0.03	1.54	0.66	0.01	0.02	1.52	1.54	0.01	0.39	0.40	—	1,474	1,474	0.06	0.21	0.08	1,539
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.16	0.15	0.12	1.63	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	435	435	0.01	0.02	0.62	442
Vendor	0.08	0.02	1.08	0.47	0.01	0.02	1.07	1.09	0.01	0.28	0.28	—	1,055	1,055	0.05	0.15	0.93	1,103
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.30	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	72.1	72.1	< 0.005	< 0.005	0.10	73.1
Vendor	0.01	< 0.005	0.20	0.09	< 0.005	< 0.005	0.20	0.20	< 0.005	0.05	0.05	—	175	175	0.01	0.03	0.15	183
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.30. 1-D-2-C (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,725	8,725	0.35	0.07	—	8,754
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,725	8,725	0.35	0.07	—	8,754
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.59	0.59	3.08	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,249	6,249	0.25	0.05	—	6,270
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.56	6.10	0.01	0.02	—	0.02	0.02	—	0.02	—	1,035	1,035	0.04	0.01	—	1,038
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.15	2.68	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	649	649	0.01	0.01	1.99	653
Vendor	0.11	0.03	1.45	0.65	0.01	0.02	1.52	1.54	0.01	0.39	0.40	—	1,473	1,473	0.06	0.21	3.01	1,542
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.21	0.20	2.29	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	601	601	0.01	0.03	0.05	609
Vendor	0.10	0.03	1.54	0.66	0.01	0.02	1.52	1.54	0.01	0.39	0.40	—	1,474	1,474	0.06	0.21	0.08	1,539
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.12	1.63	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	435	435	0.01	0.02	0.62	442
Vendor	0.08	0.02	1.08	0.47	0.01	0.02	1.07	1.09	0.01	0.28	0.28	—	1,055	1,055	0.05	0.15	0.93	1,103
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.30	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	72.1	72.1	< 0.005	< 0.005	0.10	73.1
Vendor	0.01	< 0.005	0.20	0.09	< 0.005	< 0.005	0.20	0.20	< 0.005	0.05	0.05	—	175	175	0.01	0.03	0.15	183

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.31. 1-D-2-C (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.18	5.16	50.6	63.9	0.13	1.23	—	1.23	1.14	—	1.14	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.18	5.16	50.6	63.9	0.13	1.23	—	1.23	1.14	—	1.14	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.42	3.69	36.1	45.6	0.10	0.88	—	0.88	0.81	—	0.81	—	9,623	9,623	0.39	0.08	—	9,656
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.81	0.67	6.60	8.33	0.02	0.16	—	0.16	0.15	—	0.15	—	1,593	1,593	0.06	0.01	—	1,599
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.20	0.14	2.53	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	638	638	0.01	0.01	1.78	642
Vendor	0.10	0.03	1.38	0.63	0.01	0.02	1.52	1.54	0.01	0.39	0.40	—	1,432	1,432	0.06	0.21	2.66	1,499
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.20	0.17	2.17	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	591	591	0.01	0.03	0.05	599
Vendor	0.10	0.03	1.46	0.64	0.01	0.02	1.52	1.54	0.01	0.39	0.40	—	1,432	1,432	0.06	0.21	0.07	1,497
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.11	1.52	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	427	427	0.01	0.02	0.55	433
Vendor	0.07	0.02	1.02	0.45	0.01	0.02	1.07	1.08	0.01	0.27	0.28	—	1,023	1,023	0.05	0.15	0.82	1,070
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.28	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	70.7	70.7	< 0.005	< 0.005	0.09	71.7
Vendor	0.01	< 0.005	0.19	0.08	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	169	169	0.01	0.03	0.14	177
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.32. 1-D-2-C (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.59	3.07	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,231	6,231	0.25	0.05	—	6,252
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.56	6.09	0.01	0.02	—	0.02	0.02	—	0.02	—	1,032	1,032	0.04	0.01	—	1,035
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.20	0.14	2.53	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	638	638	0.01	0.01	1.78	642
Vendor	0.10	0.03	1.38	0.63	0.01	0.02	1.52	1.54	0.01	0.39	0.40	—	1,432	1,432	0.06	0.21	2.66	1,499
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.20	0.17	2.17	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	591	591	0.01	0.03	0.05	599
Vendor	0.10	0.03	1.46	0.64	0.01	0.02	1.52	1.54	0.01	0.39	0.40	—	1,432	1,432	0.06	0.21	0.07	1,497
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.11	1.52	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	427	427	0.01	0.02	0.55	433
Vendor	0.07	0.02	1.02	0.45	0.01	0.02	1.07	1.08	0.01	0.27	0.28	—	1,023	1,023	0.05	0.15	0.82	1,070
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.28	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	70.7	70.7	< 0.005	< 0.005	0.09	71.7
Vendor	0.01	< 0.005	0.19	0.08	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	169	169	0.01	0.03	0.14	177
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.33. 1-D-2-C (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	6.01	5.02	49.6	63.8	0.13	1.17	—	1.17	1.08	—	1.08	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.01	5.02	49.6	63.8	0.13	1.17	—	1.17	1.08	—	1.08	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.79	1.49	14.8	19.0	0.04	0.35	—	0.35	0.32	—	0.32	—	4,007	4,007	0.16	0.03	—	4,021
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	0.27	2.69	3.46	0.01	0.06	—	0.06	0.06	—	0.06	—	663	663	0.03	0.01	—	666
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.20	0.12	2.38	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	628	628	0.01	0.01	1.58	631
Vendor	0.10	0.02	1.31	0.60	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,386	1,386	0.06	0.20	2.33	1,450
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.19	0.15	2.05	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	582	582	0.01	0.03	0.04	590
Vendor	0.10	0.02	1.37	0.61	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,387	1,387	0.06	0.20	0.06	1,449
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.60	0.00	0.00	0.79	0.79	0.00	0.20	0.20	—	175	175	< 0.005	< 0.005	0.20	176
Vendor	0.03	0.01	0.40	0.18	< 0.005	< 0.005	0.44	0.45	< 0.005	0.11	0.12	—	412	412	0.02	0.06	0.30	431
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	29.0	29.0	< 0.005	< 0.005	0.03	29.1
Vendor	0.01	< 0.005	0.07	0.03	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	68.3	68.3	< 0.005	0.01	0.05	71.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.34. 1-D-2-C (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.25	1.28	13.9	0.02	0.05	—	0.05	0.05	—	0.05	—	2,595	2,595	0.11	0.02	—	2,604
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.23	2.53	< 0.005	0.01	—	0.01	0.01	—	0.01	—	430	430	0.02	< 0.005	—	431
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.20	0.12	2.38	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	628	628	0.01	0.01	1.58	631
Vendor	0.10	0.02	1.31	0.60	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,386	1,386	0.06	0.20	2.33	1,450
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.19	0.15	2.05	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	582	582	0.01	0.03	0.04	590
Vendor	0.10	0.02	1.37	0.61	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,387	1,387	0.06	0.20	0.06	1,449
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.06	0.05	0.04	0.60	0.00	0.00	0.79	0.79	0.00	0.20	0.20	—	175	175	< 0.005	< 0.005	0.20	176
Vendor	0.03	0.01	0.40	0.18	< 0.005	< 0.005	0.44	0.45	< 0.005	0.11	0.12	—	412	412	0.02	0.06	0.30	431
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	29.0	29.0	< 0.005	< 0.005	0.03	29.1
Vendor	0.01	< 0.005	0.07	0.03	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	68.3	68.3	< 0.005	0.01	0.05	71.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.35. 1-M (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.19	0.04	2.30	1.11	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,921	1,921	0.15	0.31	4.02	2,021
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.19	0.04	2.42	1.12	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,922	1,922	0.15	0.31	0.10	2,018
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.02	0.99	0.47	0.01	0.01	0.71	0.72	0.01	0.18	0.19	—	805	805	0.06	0.13	0.73	846
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.18	0.09	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.04	—	133	133	0.01	0.02	0.12	140

3.36. 1-M (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.19	0.04	2.30	1.11	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,921	1,921	0.15	0.31	4.02	2,021
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.19	0.04	2.42	1.12	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,922	1,922	0.15	0.31	0.10	2,018
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.02	0.99	0.47	0.01	0.01	0.71	0.72	0.01	0.18	0.19	—	805	805	0.06	0.13	0.73	846
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.18	0.09	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.04	—	133	133	0.01	0.02	0.12	140

3.37. 1-M (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.18	0.04	2.21	1.09	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,878	1,878	0.15	0.30	3.69	1,973

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.17	0.04	2.33	1.10	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,878	1,878	0.15	0.30	0.10	1,970
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	1.63	0.78	0.01	0.02	1.21	1.23	0.02	0.31	0.33	—	1,341	1,341	0.11	0.21	1.14	1,408
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.30	0.14	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	222	222	0.02	0.04	0.19	233

3.38. 1-M (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.18	0.04	2.21	1.09	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,878	1,878	0.15	0.30	3.69	1,973
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.17	0.04	2.33	1.10	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,878	1,878	0.15	0.30	0.10	1,970
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	1.63	0.78	0.01	0.02	1.21	1.23	0.02	0.31	0.33	—	1,341	1,341	0.11	0.21	1.14	1,408
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.30	0.14	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	222	222	0.02	0.04	0.19	233

3.39. 1-M (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.18	0.04	2.13	1.05	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,829	1,829	0.14	0.30	3.38	1,924
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.17	0.04	2.24	1.06	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,830	1,830	0.14	0.30	0.09	1,921
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	1.58	0.76	0.01	0.02	1.21	1.23	0.02	0.31	0.33	—	1,310	1,310	0.10	0.21	1.05	1,377
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.29	0.14	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	217	217	0.02	0.04	0.17	228

3.40. 1-M (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.18	0.04	2.13	1.05	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,829	1,829	0.14	0.30	3.38	1,924
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.17	0.04	2.24	1.06	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,830	1,830	0.14	0.30	0.09	1,921
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	1.58	0.76	0.01	0.02	1.21	1.23	0.02	0.31	0.33	—	1,310	1,310	0.10	0.21	1.05	1,377
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.29	0.14	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	217	217	0.02	0.04	0.17	228

3.41. 1-M (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.16	0.03	2.05	1.03	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,778	1,778	0.12	0.28	3.09	1,869
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.16	0.02	2.17	1.04	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,779	1,779	0.12	0.28	0.08	1,867
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	0.02	1.52	0.74	0.01	0.02	1.21	1.23	0.02	0.31	0.33	—	1,270	1,270	0.09	0.20	0.95	1,334
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.28	0.13	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	210	210	0.01	0.03	0.16	221

3.42. 1-M (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.16	0.03	2.05	1.03	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,778	1,778	0.12	0.28	3.09	1,869
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.16	0.02	2.17	1.04	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,779	1,779	0.12	0.28	0.08	1,867
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	0.02	1.52	0.74	0.01	0.02	1.21	1.23	0.02	0.31	0.33	—	1,270	1,270	0.09	0.20	0.95	1,334
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.28	0.13	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	210	210	0.01	0.03	0.16	221

3.43. 1-M (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.15	0.03	1.98	0.99	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,727	1,727	0.12	0.27	2.77	1,814
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.15	0.02	2.09	1.00	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,727	1,727	0.12	0.27	0.07	1,812
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.35	0.65	0.01	0.02	1.11	1.12	0.02	0.29	0.30	—	1,132	1,132	0.08	0.18	0.79	1,188
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.25	0.12	< 0.005	< 0.005	0.20	0.21	< 0.005	0.05	0.05	—	187	187	0.01	0.03	0.13	197

3.44. 1-M (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.15	0.03	1.98	0.99	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,727	1,727	0.12	0.27	2.77	1,814
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.15	0.02	2.09	1.00	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,727	1,727	0.12	0.27	0.07	1,812
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.35	0.65	0.01	0.02	1.11	1.12	0.02	0.29	0.30	—	1,132	1,132	0.08	0.18	0.79	1,188
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.25	0.12	< 0.005	< 0.005	0.20	0.21	< 0.005	0.05	0.05	—	187	187	0.01	0.03	0.13	197

3.45. 1-L (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.78	2.34	21.1	31.3	0.04	1.02	—	1.02	0.94	—	0.94	—	4,743	4,743	0.19	0.04	—	4,760
Architectural Coatings	3.56	3.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.19	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.22	1.96	2.91	< 0.005	0.09	—	0.09	0.09	—	0.09	—	442	442	0.02	< 0.005	—	443
Architectural Coatings	0.33	0.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Paving	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.36	0.53	< 0.005	0.02	—	0.02	0.02	—	0.02	—	73.2	73.2	< 0.005	< 0.005	—	73.4
Architectural Coatings	0.06	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.06	1.17	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	284	284	< 0.005	< 0.005	0.87	286
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	24.8	24.8	< 0.005	< 0.005	0.03	25.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	4.10	4.10	< 0.005	< 0.005	0.01	4.16
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.46. 1-L (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.46	3.52	33.2	0.04	0.09	—	0.09	0.09	—	0.09	—	4,743	4,743	0.19	0.04	—	4,760
Architectural Coatings	3.56	3.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.19	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.33	3.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	442	442	0.02	< 0.005	—	443
Architectural Coatings	0.33	0.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.56	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	73.2	73.2	< 0.005	< 0.005	—	73.4
Architectural Coatings	0.06	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.06	1.17	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	284	284	< 0.005	< 0.005	0.87	286
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	24.8	24.8	< 0.005	< 0.005	0.03	25.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	4.10	4.10	< 0.005	< 0.005	0.01	4.16
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.47. 1-E-1 (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.29	1.08	16.7	18.8	0.03	0.14	—	0.14	0.13	—	0.13	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	22.2	22.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.13	2.06	2.31	< 0.005	0.02	—	0.02	0.02	—	0.02	—	410	410	0.02	< 0.005	—	411
Architectural Coatings	2.74	2.74	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.03	0.02	0.38	0.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	67.8	67.8	< 0.005	< 0.005	—	68.1
Architectural Coatings	0.50	0.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.11	1.35	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	369	369	0.01	0.02	0.03	375
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.16	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	46.1	46.1	< 0.005	< 0.005	0.06	46.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	7.62	7.62	< 0.005	< 0.005	0.01	7.74
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.48. 1-E-1 (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	9.86	9.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	1.22	1.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Architectural Coating	0.22	0.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.11	1.35	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	369	369	0.01	0.02	0.03	375
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.16	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	46.1	46.1	< 0.005	< 0.005	0.06	46.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	7.62	7.62	< 0.005	< 0.005	0.01	7.74
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.49. 1-E-1 (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipmer	1.27 t	1.06	16.6	18.7	0.03	0.13	—	0.13	0.12	—	0.12	—	3,323	3,323	0.13	0.03	—	3,335
Architect ural Coating s	22.2	22.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	1.27	1.06	16.6	18.7	0.03	0.13	—	0.13	0.12	—	0.12	—	3,323	3,323	0.13	0.03	—	3,335
Architect ural Coating s	22.2	22.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.38	0.32	4.95	5.57	0.01	0.04	—	0.04	0.04	—	0.04	—	989	989	0.04	0.01	—	992
Architect ural Coating s	6.60	6.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.07	0.06	0.90	1.02	< 0.005	0.01	—	0.01	0.01	—	0.01	—	164	164	0.01	< 0.005	—	164

Architect Coatings	1.20	1.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.08	1.49	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	392	392	0.01	< 0.005	0.98	394
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.09	1.28	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	364	364	0.01	0.02	0.03	369
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.38	0.00	0.00	0.50	0.50	0.00	0.12	0.12	—	109	109	< 0.005	< 0.005	0.13	110
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	18.1	18.1	< 0.005	< 0.005	0.02	18.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.50. 1-E-1 (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	9.86	9.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	9.86	9.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	2.93	2.93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.54	0.54	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.08	1.49	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	392	392	0.01	< 0.005	0.98	394
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.09	1.28	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	364	364	0.01	0.02	0.03	369
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.38	0.00	0.00	0.50	0.50	0.00	0.12	0.12	—	109	109	< 0.005	< 0.005	0.13	110
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	18.1	18.1	< 0.005	< 0.005	0.02	18.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.51. 1-E-2 (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.27	1.06	16.6	18.7	0.03	0.13	—	0.13	0.12	—	0.12	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	19.5	19.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.27	1.06	16.6	18.7	0.03	0.13	—	0.13	0.12	—	0.12	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	19.5	19.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	0.51	7.98	8.98	0.02	0.06	—	0.06	0.06	—	0.06	—	1,593	1,593	0.06	0.01	—	1,599

Architect Coatings	9.36	9.36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	1.46	1.64	< 0.005	0.01	—	0.01	0.01	—	0.01	—	264	264	0.01	< 0.005	—	265
Architectural Coatings	1.71	1.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.08	1.49	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	392	392	0.01	< 0.005	0.98	394
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.09	1.28	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	364	364	0.01	0.02	0.03	369
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.61	0.00	0.00	0.80	0.80	0.00	0.20	0.20	—	176	176	< 0.005	< 0.005	0.20	177
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	29.2	29.2	< 0.005	< 0.005	0.03	29.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.52. 1-E-2 (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	8.68	8.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	8.68	8.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	4.16	4.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.76	0.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.08	1.49	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	392	392	0.01	< 0.005	0.98	394
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.09	1.28	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	364	364	0.01	0.02	0.03	369
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.61	0.00	0.00	0.80	0.80	0.00	0.20	0.20	—	176	176	< 0.005	< 0.005	0.20	177
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	29.2	29.2	< 0.005	< 0.005	0.03	29.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.53. 1-D-1-B (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.00	2.49	20.9	20.1	0.04	0.77	—	0.77	0.70	—	0.70	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	0.44	3.67	3.53	0.01	0.13	—	0.13	0.12	—	0.12	—	608	608	0.02	< 0.005	—	610

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.67	0.64	< 0.005	0.02	—	0.02	0.02	—	0.02	—	101	101	< 0.005	< 0.005	—	101
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.61	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	153	153	< 0.005	0.01	0.01	155
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	27.1	27.1	< 0.005	< 0.005	0.04	27.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.49	4.49	< 0.005	< 0.005	0.01	4.55
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.54. 1-D-1-B (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.41	2.02	17.3	20.5	0.04	0.62	—	0.62	0.57	—	0.57	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.35	3.04	3.59	0.01	0.11	—	0.11	0.10	—	0.10	—	608	608	0.02	< 0.005	—	610
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.55	0.66	< 0.005	0.02	—	0.02	0.02	—	0.02	—	101	101	< 0.005	< 0.005	—	101
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.61	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	153	153	< 0.005	0.01	0.01	155

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	27.1	27.1	< 0.005	< 0.005	0.04	27.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.49	4.49	< 0.005	< 0.005	0.01	4.55
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.55. 1-D-2-B (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.00	2.49	20.9	20.1	0.04	0.77	—	0.77	0.70	—	0.70	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.54	0.45	3.79	3.64	0.01	0.14	—	0.14	0.13	—	0.13	—	627	627	0.03	0.01	—	629
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.69	0.66	< 0.005	0.03	—	0.03	0.02	—	0.02	—	104	104	< 0.005	< 0.005	—	104
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.71	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	165	165	< 0.005	0.01	0.55	168
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	28.0	28.0	< 0.005	< 0.005	0.04	28.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.63	4.63	< 0.005	< 0.005	0.01	4.70
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.56. 1-D-2-B (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.41	2.02	17.3	20.5	0.04	0.62	—	0.62	0.57	—	0.57	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.36	3.13	3.70	0.01	0.11	—	0.11	0.10	—	0.10	—	627	627	0.03	0.01	—	629
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.57	0.68	< 0.005	0.02	—	0.02	0.02	—	0.02	—	104	104	< 0.005	< 0.005	—	104
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.06	0.06	0.04	0.71	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	165	165	< 0.005	0.01	0.55	168
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	28.0	28.0	< 0.005	< 0.005	0.04	28.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.63	4.63	< 0.005	< 0.005	0.01	4.70
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.57. 1-F (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.83	2.38	21.0	27.3	0.04	1.15	—	1.15	1.06	—	1.06	—	4,112	4,112	0.17	0.03	—	4,126
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.83	2.38	21.0	27.3	0.04	1.15	—	1.15	1.06	—	1.06	—	4,112	4,112	0.17	0.03	—	4,126
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.19	1.00	8.81	11.4	0.02	0.48	—	0.48	0.44	—	0.44	—	1,722	1,722	0.07	0.01	—	1,728
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.18	1.61	2.08	< 0.005	0.09	—	0.09	0.08	—	0.08	—	285	285	0.01	< 0.005	—	286
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.06	1.14	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	252	252	< 0.005	0.01	0.92	256
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.08	0.98	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	234	234	0.01	0.01	0.02	237
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.04	0.03	0.03	0.40	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	98.9	98.9	< 0.005	< 0.005	0.17	100
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	16.4	16.4	< 0.005	< 0.005	0.03	16.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.58. 1-F (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,112	4,112	0.17	0.03	—	4,126
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,112	4,112	0.17	0.03	—	4,126
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.17	0.17	1.34	12.0	0.02	0.03	—	0.03	0.03	—	0.03	—	1,722	1,722	0.07	0.01	—	1,728
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	2.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	285	285	0.01	< 0.005	—	286
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.06	1.14	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	252	252	< 0.005	0.01	0.92	256
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.08	0.98	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	234	234	0.01	0.01	0.02	237
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.40	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	98.9	98.9	< 0.005	< 0.005	0.17	100
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	16.4	16.4	< 0.005	< 0.005	0.03	16.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.59. 1-F (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.64	2.22	19.5	27.2	0.04	1.01	—	1.01	0.93	—	0.93	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.64	2.22	19.5	27.2	0.04	1.01	—	1.01	0.93	—	0.93	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41	1.19	10.5	14.6	0.02	0.54	—	0.54	0.50	—	0.50	—	2,206	2,206	0.09	0.02	—	2,213
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.26	0.22	1.91	2.66	< 0.005	0.10	—	0.10	0.09	—	0.09	—	365	365	0.01	< 0.005	—	366
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	1.07	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	248	248	< 0.005	0.01	0.83	251
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	0.91	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	229	229	0.01	0.01	0.02	232
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.48	0.00	0.00	0.54	0.54	0.00	0.13	0.13	—	124	124	< 0.005	0.01	0.19	126
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	20.6	20.6	< 0.005	< 0.005	0.03	20.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.60. 1-F (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	1.72	15.4	0.02	0.04	—	0.04	0.04	—	0.04	—	2,206	2,206	0.09	0.02	—	2,213
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.31	2.81	< 0.005	0.01	—	0.01	0.01	—	0.01	—	365	365	0.01	< 0.005	—	366
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	1.07	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	248	248	< 0.005	0.01	0.83	251
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	0.91	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	229	229	0.01	0.01	0.02	232
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.48	0.00	0.00	0.54	0.54	0.00	0.13	0.13	—	124	124	< 0.005	0.01	0.19	126
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	20.6	20.6	< 0.005	< 0.005	0.03	20.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.61. 1-G (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.64	2.22	19.5	27.2	0.04	1.01	—	1.01	0.93	—	0.93	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47	0.39	3.48	4.84	0.01	0.18	—	0.18	0.17	—	0.17	—	733	733	0.03	0.01	—	735
Dust From Material Movemer	—	—	—	—	—	—	0.57	0.57	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.63	0.88	< 0.005	0.03	—	0.03	0.03	—	0.03	—	121	121	< 0.005	< 0.005	—	122
Dust From Material Movemer	—	—	—	—	—	—	0.10	0.10	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	0.91	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	229	229	0.01	0.01	0.02	232
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	26.0	26.0	< 0.005	< 0.005	< 0.005	27.2
Hauling	0.05	0.01	0.73	0.34	< 0.005	0.01	0.54	0.55	0.01	0.14	0.15	—	587	587	0.05	0.09	0.03	616
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.16	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	41.3	41.3	< 0.005	< 0.005	0.06	41.9
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.63	4.63	< 0.005	< 0.005	< 0.005	4.84
Hauling	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.09	0.10	< 0.005	0.02	0.03	—	105	105	0.01	0.02	0.09	110
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.84	6.84	< 0.005	< 0.005	0.01	6.94
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.77	0.77	< 0.005	< 0.005	< 0.005	0.80
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	17.3	17.3	< 0.005	< 0.005	0.01	18.2

3.62. 1-G (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.57	5.12	0.01	0.01	—	0.01	0.01	—	0.01	—	733	733	0.03	0.01	—	735
Dust From Material Movemer	—	—	—	—	—	—	0.22	0.22	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.93	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	121	121	< 0.005	< 0.005	—	122
Dust From Material Movemer	—	—	—	—	—	—	0.04	0.04	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	0.91	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	229	229	0.01	0.01	0.02	232
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	26.0	26.0	< 0.005	< 0.005	< 0.005	27.2
Hauling	0.05	0.01	0.73	0.34	< 0.005	0.01	0.54	0.55	0.01	0.14	0.15	—	587	587	0.05	0.09	0.03	616
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.16	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	41.3	41.3	< 0.005	< 0.005	0.06	41.9
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.63	4.63	< 0.005	< 0.005	< 0.005	4.84
Hauling	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.09	0.10	< 0.005	0.02	0.03	—	105	105	0.01	0.02	0.09	110
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.84	6.84	< 0.005	< 0.005	0.01	6.94
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.77	0.77	< 0.005	< 0.005	< 0.005	0.80
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	17.3	17.3	< 0.005	< 0.005	0.01	18.2

3.63. 1-H (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.64	2.22	19.5	27.2	0.04	1.01	—	1.01	0.93	—	0.93	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.19	3.19	—	0.34	0.34	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.64	2.22	19.5	27.2	0.04	1.01	—	1.01	0.93	—	0.93	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.19	3.19	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.66	5.78	8.04	0.01	0.30	—	0.30	0.28	—	0.28	—	1,217	1,217	0.05	0.01	—	1,221
Dust From Material Movemer	—	—	—	—	—	—	0.94	0.94	—	0.10	0.10	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.05	1.47	< 0.005	0.05	—	0.05	0.05	—	0.05	—	202	202	0.01	< 0.005	—	202
Dust From Material Movemer	—	—	—	—	—	—	0.17	0.17	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	1.07	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	248	248	< 0.005	0.01	0.83	251
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.19	0.59	0.01	0.01	0.93	0.94	0.01	0.24	0.25	—	1,010	1,010	0.08	0.16	1.99	1,061
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	0.91	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	229	229	0.01	0.01	0.02	232
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.26	0.59	0.01	0.01	0.93	0.94	0.01	0.24	0.25	—	1,010	1,010	0.08	0.16	0.05	1,060
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.27	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	68.6	68.6	< 0.005	< 0.005	0.11	69.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.36	0.17	< 0.005	< 0.005	0.27	0.27	< 0.005	0.07	0.07	—	299	299	0.02	0.05	0.25	314
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	11.4	11.4	< 0.005	< 0.005	0.02	11.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.07	0.03	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	49.5	49.5	< 0.005	0.01	0.04	51.9

3.64. 1-H (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.12	0.95	8.50	0.01	0.02	—	0.02	0.02	—	0.02	—	1,217	1,217	0.05	0.01	—	1,221
Dust From Material Movemer	—	—	—	—	—	—	0.37	0.37	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.17	1.55	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	202	202	0.01	< 0.005	—	202

Dust From Material Movemer	—	—	—	—	—	—	0.07	0.07	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	1.07	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	248	248	< 0.005	0.01	0.83	251
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.19	0.59	0.01	0.01	0.93	0.94	0.01	0.24	0.25	—	1,010	1,010	0.08	0.16	1.99	1,061
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	0.91	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	229	229	0.01	0.01	0.02	232
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.26	0.59	0.01	0.01	0.93	0.94	0.01	0.24	0.25	—	1,010	1,010	0.08	0.16	0.05	1,060
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.27	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	68.6	68.6	< 0.005	< 0.005	0.11	69.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.36	0.17	< 0.005	< 0.005	0.27	0.27	< 0.005	0.07	0.07	—	299	299	0.02	0.05	0.25	314
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	11.4	11.4	< 0.005	< 0.005	0.02	11.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.07	0.03	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	49.5	49.5	< 0.005	0.01	0.04	51.9

3.65. 1-I (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.97	2.49	22.5	31.3	0.04	1.16	—	1.16	1.06	—	1.06	—	4,744	4,744	0.19	0.04	—	4,761
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.97	2.49	22.5	31.3	0.04	1.16	—	1.16	1.06	—	1.06	—	4,744	4,744	0.19	0.04	—	4,761
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.24	1.04	9.41	13.1	0.02	0.48	—	0.48	0.45	—	0.45	—	1,987	1,987	0.08	0.02	—	1,994
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.19	1.72	2.39	< 0.005	0.09	—	0.09	0.08	—	0.08	—	329	329	0.01	< 0.005	—	330
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.07	1.25	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	289	289	< 0.005	0.01	0.97	293
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.09	1.06	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	268	268	0.01	0.01	0.03	271
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.44	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	113	113	< 0.005	< 0.005	0.18	115
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	18.8	18.8	< 0.005	< 0.005	0.03	19.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.66. 1-I (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.46	0.46	3.52	33.2	0.04	0.09	—	0.09	0.09	—	0.09	—	4,744	4,744	0.19	0.04	—	4,761
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.46	3.52	33.2	0.04	0.09	—	0.09	0.09	—	0.09	—	4,744	4,744	0.19	0.04	—	4,761
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.19	1.47	13.9	0.02	0.04	—	0.04	0.04	—	0.04	—	1,987	1,987	0.08	0.02	—	1,994
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.27	2.54	< 0.005	0.01	—	0.01	0.01	—	0.01	—	329	329	0.01	< 0.005	—	330
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.07	1.25	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	289	289	< 0.005	0.01	0.97	293
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.09	1.06	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	268	268	0.01	0.01	0.03	271
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.44	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	113	113	< 0.005	< 0.005	0.18	115
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	18.8	18.8	< 0.005	< 0.005	0.03	19.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.67. 1-I (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.78	2.34	21.1	31.3	0.04	1.02	—	1.02	0.94	—	0.94	—	4,743	4,743	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.29	0.43	< 0.005	0.01	—	0.01	0.01	—	0.01	—	65.0	65.0	< 0.005	< 0.005	—	65.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.8	10.8	< 0.005	< 0.005	—	10.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.09	1.00	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	263	263	0.01	0.01	0.02	267
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.64	3.64	< 0.005	< 0.005	0.01	3.70
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.60	0.60	< 0.005	< 0.005	< 0.005	0.61
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.68. 1-I (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.46	3.52	33.2	0.04	0.09	—	0.09	0.09	—	0.09	—	4,743	4,743	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.45	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	65.0	65.0	< 0.005	< 0.005	—	65.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.8	10.8	< 0.005	< 0.005	—	10.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.09	1.00	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	263	263	0.01	0.01	0.02	267
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.64	3.64	< 0.005	< 0.005	0.01	3.70
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.60	0.60	< 0.005	< 0.005	< 0.005	0.61
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
1-C	Demolition	6/1/2026	1/1/2027	5.00	155	—
1-A	Site Preparation	6/1/2026	1/1/2027	5.00	155	—
1-K	Site Preparation	5/15/2028	7/1/2028	5.00	35.0	—
1-B	Grading	9/1/2026	6/1/2027	5.00	196	—
1-J	Grading	5/1/2028	6/1/2028	5.00	24.0	—
1-D-1-A	Building Construction	1/1/2027	3/31/2027	5.00	64.0	—
1-D-1-C	Building Construction	4/1/2027	12/30/2029	5.00	717	—
1-D-2-A	Building Construction	6/1/2027	8/31/2027	5.00	66.0	—
1-D-2-C	Building Construction	9/1/2027	6/1/2030	5.00	718	—

1-M	Building Construction	6/1/2026	12/1/2030	5.00	1,175	—
1-L	Paving	6/15/2028	8/1/2028	5.00	34.0	—
1-E-1	Architectural Coating	10/30/2029	6/1/2030	5.00	154	—
1-E-2	Architectural Coating	4/1/2030	12/1/2030	5.00	175	—
1-D-1-B	Trenching	1/1/2027	3/31/2027	5.00	64.0	—
1-D-2-B	Trenching	6/1/2027	8/31/2027	5.00	66.0	—
1-F	Linear, Grubbing & Land Clearing	6/1/2026	10/1/2027	5.00	350	—
1-G	Linear, Grading & Excavation	10/1/2027	12/30/2027	5.00	65.0	—
1-H	Linear, Drainage, Utilities, & Sub-Grade	1/1/2027	6/1/2027	5.00	108	—
1-I	Linear, Paving	6/1/2027	1/7/2028	5.00	159	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
1-C	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
1-C	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
1-C	Concrete/Industrial Saws	Diesel	Average	4.00	4.00	33.0	0.73
1-C	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
1-A	Excavators	Diesel	Average	8.00	8.00	36.0	0.38
1-A	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
1-K	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
1-K	Graders	Diesel	Average	2.00	8.00	148	0.41
1-K	Rollers	Diesel	Average	2.00	8.00	36.0	0.38

1-K	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
1-K	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
1-B	Excavators	Diesel	Average	8.00	8.00	36.0	0.38
1-B	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
1-J	Graders	Diesel	Average	2.00	8.00	148	0.41
1-J	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
1-J	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
1-J	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
1-J	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
1-D-1-C	Cranes	Diesel	Average	7.00	8.00	367	0.29
1-D-1-C	Welders	Diesel	Average	12.0	8.00	46.0	0.45
1-D-1-C	Aerial Lifts	Diesel	Average	18.0	6.00	46.0	0.31
1-D-1-C	Air Compressors	Diesel	Average	6.00	2.00	37.0	0.48
1-D-1-C	Rough Terrain Forklifts	Diesel	Average	10.0	4.00	96.0	0.40
1-D-2-C	Cranes	Diesel	Average	7.00	8.00	367	0.29
1-D-2-C	Welders	Diesel	Average	12.0	8.00	46.0	0.45
1-D-2-C	Aerial Lifts	Diesel	Average	18.0	6.00	46.0	0.31
1-D-2-C	Air Compressors	Diesel	Average	6.00	2.00	37.0	0.48
1-D-2-C	Rough Terrain Forklifts	Diesel	Average	10.0	4.00	96.0	0.40
1-L	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
1-L	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
1-L	Graders	Diesel	Average	2.00	8.00	148	0.41
1-L	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
1-L	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
1-L	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
1-E-1	Air Compressors	Diesel	Average	5.00	4.00	37.0	0.48
1-E-1	Aerial Lifts	Diesel	Average	13.0	12.0	46.0	0.31

1-E-2	Air Compressors	Diesel	Average	5.00	4.00	37.0	0.48
1-E-2	Aerial Lifts	Diesel	Average	13.0	12.0	46.0	0.31
1-D-1-B	Tractors/Loaders/Back hoes	Diesel	Average	6.00	5.00	84.0	0.37
1-D-1-B	Excavators	Diesel	Average	6.00	4.00	36.0	0.38
1-D-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
1-D-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
1-D-2-B	Tractors/Loaders/Back hoes	Diesel	Average	6.00	5.00	84.0	0.37
1-D-2-B	Excavators	Diesel	Average	6.00	4.00	36.0	0.38
1-D-2-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
1-D-2-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
1-F	Graders	Diesel	Average	2.00	8.00	148	0.41
1-F	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
1-F	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
1-F	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
1-F	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
1-G	Graders	Diesel	Average	2.00	8.00	148	0.41
1-G	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
1-G	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
1-G	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
1-G	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
1-H	Graders	Diesel	Average	2.00	8.00	148	0.41
1-H	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
1-H	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
1-H	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
1-H	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40

1-I	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
1-I	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
1-I	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
1-I	Graders	Diesel	Average	2.00	8.00	148	0.41
1-I	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
1-I	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
1-C	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
1-C	Excavators	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
1-C	Concrete/Industrial Saws	Diesel	Tier 4 Final	4.00	4.00	33.0	0.73
1-C	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
1-A	Excavators	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
1-A	Excavators	Electric	Average	4.00	8.00	36.0	0.38
1-A	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
1-K	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
1-K	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
1-K	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
1-K	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
1-K	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
1-B	Excavators	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
1-B	Excavators	Electric	Average	4.00	8.00	36.0	0.38
1-B	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
1-J	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41

1-J	Tractors/Loaders/Back	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
1-J	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
1-J	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
1-J	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
1-D-1-C	Cranes	Diesel	Tier 4 Final	7.00	8.00	367	0.29
1-D-1-C	Welders	Electric	Average	12.0	8.00	46.0	0.45
1-D-1-C	Aerial Lifts	Electric	Average	18.0	6.00	46.0	0.31
1-D-1-C	Air Compressors	Electric	Average	6.00	2.00	37.0	0.48
1-D-1-C	Rough Terrain Forklifts	Diesel	Tier 4 Final	10.0	4.00	96.0	0.40
1-D-2-C	Cranes	Diesel	Tier 4 Final	7.00	8.00	367	0.29
1-D-2-C	Welders	Electric	Average	12.0	8.00	46.0	0.45
1-D-2-C	Aerial Lifts	Electric	Average	18.0	6.00	46.0	0.31
1-D-2-C	Air Compressors	Electric	Average	6.00	2.00	37.0	0.48
1-D-2-C	Rough Terrain Forklifts	Diesel	Tier 4 Final	10.0	4.00	96.0	0.40
1-L	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
1-L	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
1-L	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
1-L	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
1-L	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
1-L	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
1-E-1	Air Compressors	Electric	Average	5.00	4.00	37.0	0.48
1-E-1	Aerial Lifts	Electric	Average	13.0	12.0	46.0	0.31
1-E-2	Air Compressors	Electric	Average	5.00	4.00	37.0	0.48
1-E-2	Aerial Lifts	Electric	Average	13.0	12.0	46.0	0.31
1-D-1-B	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	6.00	5.00	84.0	0.37
1-D-1-B	Excavators	Diesel	Tier 4 Final	6.00	4.00	36.0	0.38
1-D-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74

1-D-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
1-D-2-B	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	6.00	5.00	84.0	0.37
1-D-2-B	Excavators	Diesel	Tier 4 Final	6.00	4.00	36.0	0.38
1-D-2-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
1-D-2-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
1-F	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
1-F	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
1-F	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
1-F	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
1-F	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
1-G	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
1-G	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
1-G	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
1-G	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
1-G	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
1-H	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
1-H	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
1-H	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
1-H	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
1-H	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
1-I	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
1-I	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
1-I	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
1-I	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
1-I	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43

1-I	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
1-C	—	—	—	—
1-C	Worker	20.0	11.7	LDA,LDT1,LDT2
1-C	Vendor	0.00	8.40	HHDT,MHDT
1-C	Hauling	50.0	25.0	HHDT
1-C	Onsite truck	0.00	0.00	HHDT
1-A	—	—	—	—
1-A	Worker	30.0	11.7	LDA,LDT1,LDT2
1-A	Vendor	0.00	8.40	HHDT,MHDT
1-A	Hauling	26.0	25.0	HHDT
1-A	Onsite truck	0.00	0.00	HHDT
1-B	—	—	—	—
1-B	Worker	30.0	11.7	LDA,LDT1,LDT2
1-B	Vendor	0.00	8.40	HHDT,MHDT
1-B	Hauling	26.0	25.0	HHDT
1-B	Onsite truck	0.00	0.00	HHDT
1-D-1-A	—	—	—	—
1-D-1-A	Worker	50.0	11.7	LDA,LDT1,LDT2
1-D-1-A	Vendor	25.0	8.40	HHDT,MHDT
1-D-1-A	Hauling	0.00	20.0	HHDT
1-D-1-A	Onsite truck	0.00	0.00	HHDT
1-E-1	—	—	—	—
1-E-1	Worker	50.0	11.7	LDA,LDT1,LDT2

1-E-1	Vendor	0.00	8.40	HHDT,MHDT
1-E-1	Hauling	0.00	20.0	HHDT
1-E-1	Onsite truck	0.00	0.00	HHDT
1-F	—	—	—	—
1-F	Worker	30.0	11.7	LDA,LDT1,LDT2
1-F	Vendor	0.00	8.40	HHDT,MHDT
1-F	Hauling	0.00	20.0	HHDT
1-F	Onsite truck	0.00	0.00	HHDT
1-G	—	—	—	—
1-G	Worker	30.0	11.7	LDA,LDT1,LDT2
1-G	Vendor	1.00	8.40	HHDT,MHDT
1-G	Hauling	6.88	25.0	HHDT
1-G	Onsite truck	0.00	0.00	HHDT
1-H	—	—	—	—
1-H	Worker	30.0	11.7	LDA,LDT1,LDT2
1-H	Vendor	0.00	8.40	HHDT,MHDT
1-H	Hauling	11.8	25.0	HHDT
1-H	Onsite truck	0.00	0.00	HHDT
1-I	—	—	—	—
1-I	Worker	35.0	11.7	LDA,LDT1,LDT2
1-I	Vendor	0.00	8.40	HHDT,MHDT
1-I	Hauling	0.00	20.0	HHDT
1-I	Onsite truck	0.00	0.00	HHDT
1-K	—	—	—	—
1-K	Worker	30.0	11.7	LDA,LDT1,LDT2
1-K	Vendor	0.00	8.40	HHDT,MHDT
1-K	Hauling	0.00	20.0	HHDT
1-K	Onsite truck	0.00	0.00	HHDT

1-J	—	—	—	—
1-J	Worker	30.0	11.7	LDA,LDT1,LDT2
1-J	Vendor	0.00	8.40	HHDT,MHDT
1-J	Hauling	0.00	20.0	HHDT
1-J	Onsite truck	0.00	0.00	HHDT
1-D-1-C	—	—	—	—
1-D-1-C	Worker	80.0	11.7	LDA,LDT1,LDT2
1-D-1-C	Vendor	25.0	20.0	HHDT,MHDT
1-D-1-C	Hauling	0.00	20.0	HHDT
1-D-1-C	Onsite truck	0.00	0.00	HHDT
1-D-2-A	—	—	—	—
1-D-2-A	Worker	50.0	11.7	LDA,LDT1,LDT2
1-D-2-A	Vendor	25.0	8.40	HHDT,MHDT
1-D-2-A	Hauling	0.00	20.0	HHDT
1-D-2-A	Onsite truck	0.00	0.00	HHDT
1-D-2-C	—	—	—	—
1-D-2-C	Worker	80.0	11.7	LDA,LDT1,LDT2
1-D-2-C	Vendor	25.0	20.0	HHDT,MHDT
1-D-2-C	Hauling	0.00	20.0	HHDT
1-D-2-C	Onsite truck	0.00	0.00	HHDT
1-M	—	—	—	—
1-M	Worker	0.00	11.7	LDA,LDT1,LDT2
1-M	Vendor	0.00	8.40	HHDT,MHDT
1-M	Hauling	22.0	25.0	HHDT
1-M	Onsite truck	0.00	0.00	HHDT
1-L	—	—	—	—
1-L	Worker	35.0	11.7	LDA,LDT1,LDT2
1-L	Vendor	0.00	8.40	HHDT,MHDT

1-L	Hauling	0.00	20.0	HHDT
1-L	Onsite truck	0.00	0.00	HHDT
1-E-2	—	—	—	—
1-E-2	Worker	50.0	11.7	LDA,LDT1,LDT2
1-E-2	Vendor	0.00	8.40	HHDT,MHDT
1-E-2	Hauling	0.00	20.0	HHDT
1-E-2	Onsite truck	0.00	0.00	HHDT
1-D-1-B	—	—	—	—
1-D-1-B	Worker	20.0	11.7	LDA,LDT1,LDT2
1-D-1-B	Vendor	0.00	8.40	HHDT,MHDT
1-D-1-B	Hauling	0.00	20.0	HHDT
1-D-1-B	Onsite truck	0.00	0.00	HHDT
1-D-2-B	—	—	—	—
1-D-2-B	Worker	20.0	11.7	LDA,LDT1,LDT2
1-D-2-B	Vendor	0.00	8.40	HHDT,MHDT
1-D-2-B	Hauling	0.00	20.0	HHDT
1-D-2-B	Onsite truck	0.00	0.00	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
1-C	—	—	—	—
1-C	Worker	20.0	11.7	LDA,LDT1,LDT2
1-C	Vendor	0.00	8.40	HHDT,MHDT
1-C	Hauling	50.0	25.0	HHDT
1-C	Onsite truck	0.00	0.00	HHDT
1-A	—	—	—	—
1-A	Worker	30.0	11.7	LDA,LDT1,LDT2
1-A	Vendor	0.00	8.40	HHDT,MHDT

1-A	Hauling	26.0	25.0	HHDT
1-A	Onsite truck	0.00	0.00	HHDT
1-B	—	—	—	—
1-B	Worker	30.0	11.7	LDA,LDT1,LDT2
1-B	Vendor	0.00	8.40	HHDT,MHDT
1-B	Hauling	26.0	25.0	HHDT
1-B	Onsite truck	0.00	0.00	HHDT
1-D-1-A	—	—	—	—
1-D-1-A	Worker	50.0	11.7	LDA,LDT1,LDT2
1-D-1-A	Vendor	25.0	8.40	HHDT,MHDT
1-D-1-A	Hauling	0.00	20.0	HHDT
1-D-1-A	Onsite truck	0.00	0.00	HHDT
1-E-1	—	—	—	—
1-E-1	Worker	50.0	11.7	LDA,LDT1,LDT2
1-E-1	Vendor	0.00	8.40	HHDT,MHDT
1-E-1	Hauling	0.00	20.0	HHDT
1-E-1	Onsite truck	0.00	0.00	HHDT
1-F	—	—	—	—
1-F	Worker	30.0	11.7	LDA,LDT1,LDT2
1-F	Vendor	0.00	8.40	HHDT,MHDT
1-F	Hauling	0.00	20.0	HHDT
1-F	Onsite truck	0.00	0.00	HHDT
1-G	—	—	—	—
1-G	Worker	30.0	11.7	LDA,LDT1,LDT2
1-G	Vendor	1.00	8.40	HHDT,MHDT
1-G	Hauling	6.88	25.0	HHDT
1-G	Onsite truck	0.00	0.00	HHDT
1-H	—	—	—	—

1-H	Worker	30.0	11.7	LDA,LDT1,LDT2
1-H	Vendor	0.00	8.40	HHDT,MHDT
1-H	Hauling	11.8	25.0	HHDT
1-H	Onsite truck	0.00	0.00	HHDT
1-I	—	—	—	—
1-I	Worker	35.0	11.7	LDA,LDT1,LDT2
1-I	Vendor	0.00	8.40	HHDT,MHDT
1-I	Hauling	0.00	20.0	HHDT
1-I	Onsite truck	0.00	0.00	HHDT
1-K	—	—	—	—
1-K	Worker	30.0	11.7	LDA,LDT1,LDT2
1-K	Vendor	0.00	8.40	HHDT,MHDT
1-K	Hauling	0.00	20.0	HHDT
1-K	Onsite truck	0.00	0.00	HHDT
1-J	—	—	—	—
1-J	Worker	30.0	11.7	LDA,LDT1,LDT2
1-J	Vendor	0.00	8.40	HHDT,MHDT
1-J	Hauling	0.00	20.0	HHDT
1-J	Onsite truck	0.00	0.00	HHDT
1-D-1-C	—	—	—	—
1-D-1-C	Worker	80.0	11.7	LDA,LDT1,LDT2
1-D-1-C	Vendor	25.0	20.0	HHDT,MHDT
1-D-1-C	Hauling	0.00	20.0	HHDT
1-D-1-C	Onsite truck	0.00	0.00	HHDT
1-D-2-A	—	—	—	—
1-D-2-A	Worker	50.0	11.7	LDA,LDT1,LDT2
1-D-2-A	Vendor	25.0	8.40	HHDT,MHDT
1-D-2-A	Hauling	0.00	20.0	HHDT

1-D-2-A	Onsite truck	0.00	0.00	HHDT
1-D-2-C	—	—	—	—
1-D-2-C	Worker	80.0	11.7	LDA,LDT1,LDT2
1-D-2-C	Vendor	25.0	20.0	HHDT,MHDT
1-D-2-C	Hauling	0.00	20.0	HHDT
1-D-2-C	Onsite truck	0.00	0.00	HHDT
1-M	—	—	—	—
1-M	Worker	0.00	11.7	LDA,LDT1,LDT2
1-M	Vendor	0.00	8.40	HHDT,MHDT
1-M	Hauling	22.0	25.0	HHDT
1-M	Onsite truck	0.00	0.00	HHDT
1-L	—	—	—	—
1-L	Worker	35.0	11.7	LDA,LDT1,LDT2
1-L	Vendor	0.00	8.40	HHDT,MHDT
1-L	Hauling	0.00	20.0	HHDT
1-L	Onsite truck	0.00	0.00	HHDT
1-E-2	—	—	—	—
1-E-2	Worker	50.0	11.7	LDA,LDT1,LDT2
1-E-2	Vendor	0.00	8.40	HHDT,MHDT
1-E-2	Hauling	0.00	20.0	HHDT
1-E-2	Onsite truck	0.00	0.00	HHDT
1-D-1-B	—	—	—	—
1-D-1-B	Worker	20.0	11.7	LDA,LDT1,LDT2
1-D-1-B	Vendor	0.00	8.40	HHDT,MHDT
1-D-1-B	Hauling	0.00	20.0	HHDT
1-D-1-B	Onsite truck	0.00	0.00	HHDT
1-D-2-B	—	—	—	—
1-D-2-B	Worker	20.0	11.7	LDA,LDT1,LDT2

1-D-2-B	Vendor	0.00	8.40	HHDT,MHDT
1-D-2-B	Hauling	0.00	20.0	HHDT
1-D-2-B	Onsite truck	0.00	0.00	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
1-E-1	0.00	0.00	491,250	163,750	0.00
1-E-2	0.00	0.00	491,250	163,750	0.00
1-L	0.00	0.00	0.00	0.00	26,136

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
1-C	0.00	0.00	0.00	175,163	—
1-A	0.00	0.00	4.28	0.00	—
1-K	0.00	0.00	0.74	0.00	—
1-B	34,505	0.00	0.00	0.00	—
1-J	8,108	0.00	0.00	0.00	—
1-L	0.00	0.00	0.00	0.00	2.41
1-G	3,576	0.00	0.00	0.00	—
1-H	10,219	0.00	0.00	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Office Park	0.00	0%
Research & Development	0.00	0%
University/College (4yr)	0.00	0%
General Office Building	0.00	0%
Regional Shopping Center	0.00	0%
Hotel	0.00	0%
Apartments Mid Rise	—	0%
Enclosed Parking with Elevator	0.00	100%
Parking Lot	0.19	100%
Road Construction	2.22	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	200,000	9.46	0.00	0.00
2027	500,000	9.07	0.00	0.00
2028	500,000	8.57	0.00	0.00
2029	500,000	8.11	0.00	0.00
2030	250,000	7.64	0.00	0.00

8. User Changes to Default Data

Screen	Justification

Characteristics: Project Details	Project in urban environment
Land Use	Office acres include acres for office, R&D, and academic. Active use acres partially shared with R&D acres. Linear acres includes Cody, Wescoast, and utility improvements. No conference, hotel, housing, or garage during Phase 1
Construction: Construction Phases	Data provided by SKS
Construction: Off-Road Equipment	Data provided by SKS.
Construction: Dust From Material Movement	Data provided by SKS.
Construction: Trips and VMT	Data provided by SKS. Defaults used where project-specific inputs not available.
Construction: Paving	Data provided by SKS
Construction: On-Road Fugitive Dust	Silt loading modified per BAAQMD CEQA Guidelines.
Construction: Architectural Coatings	Distributed coating square footages to phases based on buildings constructed in each phase.
Construction: Demolition	Demolition of buildings outside the premises (i.e., on MVHV property) will be demolished to existing slab at-grade, with no below-grade excavation
Construction: Electricity	Per PG&E's 2023 PCL adjusted to account for RPS. CO2 is CO2e.

A1.1.3 Phase 2 Construction CalEEMod Output

The CalEEMod output presents model inputs and outputs for construction of the CEQA Proposed Project, Phase 2. These emissions would also occur under the CEQA Proposed Project with either utility option and the CEQA Proposed Project with the Variant.

Neither total construction nor mobile-source emissions results in the CalEEMod output are adjusted to reflect the June 12, 2025, congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has developed off-model adjustment factors for NO_X, ROG, PM_{10}, and $PM_{2.5}$ that remove the estimated emissions benefits attributed to regulations. Emissions of these pollutants were separately quantified using the CalEEMod trip and milage inventory and emission factors from EMFAC2021 with the off-model adjustments per CARB's guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for mobile sources and the total phase emissions recalculated. Refer to Section A1.1.6 for the off-model calculations.

Moffett Alt 1 Construction Phase 2 Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Moffett Alt 1 Construction Phase 2
Construction Start Date	6/1/2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	28.2
Location	37.40646021370499, -122.05214834788202
County	Santa Clara
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1702
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	110	1000sqft	3.50	110,000	0.00	0.00	—	—
Research & Development	445	1000sqft	0.00	445,000	0.00	0.00	—	—

University/College (4yr)	58.0	Student	0.00	85,000	0.00	0.00	—	—
General Office Building	25.0	1000sqft	1.10	25,000	0.00	0.00	—	—
Regional Shopping Center	35.0	1000sqft	0.60	35,000	0.00	0.00	—	—
Hotel	100	Room	0.00	75,000	0.00	0.00	—	—
Apartments Mid Rise	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	—
Enclosed Parking with Elevator	0.00	1000sqft	0.00	0.00	0.00	0.00	—	—
Parking Lot	530	1000sqft	12.0	0.00	0.00	0.00	—	—
Road Construction	2.00	Mile	2.40	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-1-A	Use Electric or Hybrid Powered Equipment
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-4*	Use Local and Sustainable Building Materials
Construction	C-5	Use Advanced Engine Tiers
Construction	C-10-A	Water Exposed Surfaces
Construction	C-10-B	Water Active Demolition Sites
Construction	C-10-C	Water Unpaved Construction Roads
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-13	Use Low-VOC Paints for Construction

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	76.4	71.8	274	386	0.80	6.50	26.0	32.0	5.99	5.76	11.3	—	84,728	84,728	3.39	1.63	17.9	85,274
Mit.	26.0	25.8	62.4	308	0.53	1.93	22.8	24.7	1.84	5.41	7.22	—	60,980	60,980	2.43	1.55	17.9	61,445
% Reduced	66%	64%	77%	20%	34%	70%	12%	23%	69%	6%	36%	—	28%	28%	28%	5%	—	28%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	54.5	49.3	283	387	0.80	7.14	25.3	29.8	6.57	5.11	11.7	—	84,764	84,764	3.46	1.51	0.40	85,302
Mit.	15.7	15.5	55.6	307	0.53	1.61	20.3	21.7	1.52	5.05	6.08	—	61,017	61,017	2.49	1.32	0.40	61,473
% Reduced	71%	69%	80%	21%	34%	77%	20%	27%	77%	1%	48%	—	28%	28%	28%	13%	—	28%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	30.3	28.7	183	250	0.54	4.01	13.8	17.4	3.69	3.16	6.84	—	56,636	56,636	2.28	1.05	4.34	57,008
Mit.	10.8	10.7	29.5	191	0.34	0.89	12.6	13.4	0.86	3.14	3.87	—	39,426	39,426	1.58	0.91	4.34	39,739
% Reduced	64%	63%	84%	23%	36%	78%	9%	23%	77%	1%	43%	—	30%	30%	31%	13%	—	30%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.53	5.24	33.3	45.6	0.10	0.73	2.53	3.18	0.67	0.58	1.25	—	9,377	9,377	0.38	0.17	0.72	9,438
Mit.	1.97	1.95	5.38	34.9	0.06	0.16	2.29	2.45	0.16	0.57	0.71	—	6,527	6,527	0.26	0.15	0.72	6,579
% Reduced	64%	63%	84%	23%	36%	78%	9%	23%	77%	1%	43%	—	30%	30%	31%	13%	—	30%

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	10.8	8.57	84.3	114	0.21	3.13	22.7	25.8	2.89	4.51	7.40	—	25,983	25,983	1.30	1.56	17.2	26,497
2031	33.0	27.5	267	361	0.76	6.41	26.0	32.0	5.90	5.76	11.3	—	80,624	80,624	3.27	1.63	17.9	81,161
2032	36.0	30.2	274	386	0.80	6.50	19.0	25.5	5.99	4.75	10.7	—	84,728	84,728	3.39	1.50	13.3	85,274
2033	76.4	71.8	248	333	0.69	4.00	19.4	23.4	3.69	4.82	8.51	—	73,453	73,453	2.92	1.20	10.7	73,893
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	7.48	6.12	55.2	70.1	0.13	2.04	13.0	15.0	1.88	2.51	4.38	—	14,300	14,300	0.65	0.63	0.20	14,504
2031	35.3	29.4	283	387	0.80	7.14	25.3	29.8	6.57	5.11	11.7	—	84,764	84,764	3.46	1.51	0.40	85,302
2032	50.1	44.9	272	380	0.80	6.41	22.0	28.4	5.90	5.06	11.0	—	83,860	83,860	3.37	1.50	0.34	84,391
2033	54.5	49.3	262	357	0.77	4.70	20.2	24.9	4.32	5.05	9.37	—	81,154	81,154	3.26	1.43	0.31	81,662
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	2.91	2.33	22.3	29.0	0.06	0.82	5.62	6.44	0.75	1.13	1.88	—	6,540	6,540	0.32	0.37	1.84	6,660
2031	17.6	14.6	139	183	0.39	3.60	13.8	17.4	3.31	3.16	6.47	—	41,028	41,028	1.69	0.93	4.34	41,351
2032	24.1	20.3	183	250	0.54	4.01	12.7	16.7	3.69	3.15	6.84	—	56,636	56,636	2.28	1.05	3.92	57,008
2033	30.3	28.7	84.7	112	0.23	1.30	7.06	8.36	1.20	1.76	2.96	—	24,793	24,793	1.00	0.45	1.78	24,954
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.53	0.42	4.07	5.29	0.01	0.15	1.03	1.17	0.14	0.21	0.34	—	1,083	1,083	0.05	0.06	0.30	1,103
2031	3.21	2.66	25.4	33.5	0.07	0.66	2.53	3.18	0.60	0.58	1.18	—	6,793	6,793	0.28	0.15	0.72	6,846
2032	4.40	3.70	33.3	45.6	0.10	0.73	2.32	3.05	0.67	0.57	1.25	—	9,377	9,377	0.38	0.17	0.65	9,438
2033	5.53	5.24	15.5	20.4	0.04	0.24	1.29	1.53	0.22	0.32	0.54	—	4,105	4,105	0.17	0.07	0.29	4,131

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	2.67	2.01	27.6	110	0.20	0.40	17.6	18.0	0.40	3.94	4.34	—	24,847	24,847	1.25	1.55	17.2	25,358
2031	9.55	8.37	62.4	279	0.49	1.93	22.8	24.7	1.84	5.41	7.22	—	56,877	56,877	2.31	1.51	17.9	57,332
2032	7.96	7.63	34.3	308	0.53	1.05	19.0	20.1	1.05	4.75	5.80	—	60,980	60,980	2.43	1.31	13.3	61,445
2033	26.0	25.8	22.0	200	0.36	0.71	19.4	20.1	0.71	4.82	5.53	—	42,342	42,342	1.66	0.95	10.7	42,676
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	3.61	2.99	27.9	68.1	0.12	0.75	9.77	10.5	0.71	2.16	2.86	—	13,733	13,733	0.63	0.62	0.20	13,934
2031	7.82	6.66	55.6	307	0.53	1.61	20.3	21.7	1.52	4.89	6.08	—	61,017	61,017	2.49	1.32	0.40	61,473
2032	13.9	13.5	34.4	302	0.53	1.04	20.1	21.1	1.04	4.84	5.88	—	60,112	60,112	2.41	1.31	0.34	60,562
2033	15.7	15.5	27.8	245	0.45	0.88	20.2	21.1	0.88	5.05	5.93	—	51,940	51,940	2.08	1.19	0.31	52,349
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	1.05	0.83	9.33	28.2	0.05	0.20	4.41	4.60	0.19	0.99	1.18	—	6,303	6,303	0.31	0.37	1.84	6,422
2031	4.64	4.11	29.5	148	0.27	0.89	12.5	13.4	0.86	3.02	3.87	—	30,644	30,644	1.27	0.85	4.34	30,932
2032	4.94	4.71	21.8	191	0.34	0.68	12.6	13.2	0.68	3.14	3.81	—	39,426	39,426	1.58	0.91	3.92	39,739
2033	10.8	10.7	7.49	62.6	0.12	0.23	7.06	7.29	0.23	1.76	1.99	—	13,762	13,762	0.55	0.36	1.78	13,886
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.19	0.15	1.70	5.14	0.01	0.04	0.80	0.84	0.03	0.18	0.22	—	1,044	1,044	0.05	0.06	0.30	1,063
2031	0.85	0.75	5.38	27.0	0.05	0.16	2.29	2.45	0.16	0.55	0.71	—	5,074	5,074	0.21	0.14	0.72	5,121
2032	0.90	0.86	3.97	34.9	0.06	0.12	2.29	2.42	0.12	0.57	0.70	—	6,527	6,527	0.26	0.15	0.65	6,579
2033	1.97	1.95	1.37	11.4	0.02	0.04	1.29	1.33	0.04	0.32	0.36	—	2,278	2,278	0.09	0.06	0.29	2,299

3. Construction Emissions Details

3.1. 2-C (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.68	1.40	12.6	15.4	0.03	0.42	—	0.42	0.39	—	0.39	—	2,588	2,588	0.10	0.02	—	2,597
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	0.25	2.24	2.74	< 0.005	0.08	—	0.08	0.07	—	0.07	—	461	461	0.02	< 0.005	—	463
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.41	0.50	< 0.005	0.01	—	0.01	0.01	—	0.01	—	76.3	76.3	< 0.005	< 0.005	—	76.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.60	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	157	157	< 0.005	< 0.005	0.39	158
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.34	0.06	4.49	2.26	0.03	0.06	3.91	3.97	0.06	1.01	1.06	—	3,924	3,924	0.28	0.62	6.31	4,122
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	26.2	26.2	< 0.005	< 0.005	0.03	26.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	0.01	0.83	0.40	0.01	0.01	0.68	0.69	0.01	0.18	0.19	—	699	699	0.05	0.11	0.49	734
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.34	4.34	< 0.005	< 0.005	0.01	4.35
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.12	0.13	< 0.005	0.03	0.03	—	116	116	0.01	0.02	0.08	121

3.2. 2-C (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.28	3.96	15.3	0.03	0.05	—	0.05	0.05	—	0.05	—	2,588	2,588	0.10	0.02	—	2,597
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.05	0.05	0.70	2.72	< 0.005	0.01	—	0.01	0.01	—	0.01	—	461	461	0.02	< 0.005	—	463
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.13	0.50	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	76.3	76.3	< 0.005	< 0.005	—	76.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.60	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	157	157	< 0.005	< 0.005	0.39	158
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.34	0.06	4.49	2.26	0.03	0.06	3.91	3.97	0.06	1.01	1.06	—	3,924	3,924	0.28	0.62	6.31	4,122
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	26.2	26.2	< 0.005	< 0.005	0.03	26.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	0.01	0.83	0.40	0.01	0.01	0.68	0.69	0.01	0.18	0.19	—	699	699	0.05	0.11	0.49	734
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.34	4.34	< 0.005	< 0.005	0.01	4.35
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.12	0.13	< 0.005	0.03	0.03	—	116	116	0.01	0.02	0.08	121

3.3. 2-A (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.72	1.44	13.8	17.7	0.02	0.54	—	0.54	0.49	—	0.49	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.12	2.12	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	0.26	2.45	3.16	< 0.005	0.10	—	0.10	0.09	—	0.09	—	451	451	0.02	< 0.005	—	452
Dust From Material Movemer	—	—	—	—	—	—	0.38	0.38	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.45	0.58	< 0.005	0.02	—	0.02	0.02	—	0.02	—	74.6	74.6	< 0.005	< 0.005	—	74.9

Dust From Material Movemer	—	—	—	—	—	—	0.07	0.07	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.89	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	235	235	< 0.005	< 0.005	0.59	237
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.26	0.63	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	1,099	1,099	0.08	0.17	1.77	1,154
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	39.3	39.3	< 0.005	< 0.005	0.05	39.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.23	0.11	< 0.005	< 0.005	0.19	0.19	< 0.005	0.05	0.05	—	196	196	0.01	0.03	0.14	205
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.50	6.50	< 0.005	< 0.005	0.01	6.53
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	32.4	32.4	< 0.005	0.01	0.02	34.0

3.4. 2-A (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.59	2.44	< 0.005	0.01	—	0.01	0.01	—	0.01	—	350	350	0.01	< 0.005	—	351
Dust From Material Movemer	—	—	—	—	—	—	0.15	0.15	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.45	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	57.9	57.9	< 0.005	< 0.005	—	58.1
Dust From Material Movemer	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.89	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	235	235	< 0.005	< 0.005	0.59	237
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.26	0.63	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	1,099	1,099	0.08	0.17	1.77	1,154
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	39.3	39.3	< 0.005	< 0.005	0.05	39.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.23	0.11	< 0.005	< 0.005	0.19	0.19	< 0.005	0.05	0.05	—	196	196	0.01	0.03	0.14	205
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.50	6.50	< 0.005	< 0.005	0.01	6.53
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	32.4	32.4	< 0.005	0.01	0.02	34.0

3.5. 2-O (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.13	1.79	15.7	27.0	0.04	0.69	—	0.69	0.63	—	0.63	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.13	1.79	15.7	27.0	0.04	0.69	—	0.69	0.63	—	0.63	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.43	3.74	6.43	0.01	0.16	—	0.16	0.15	—	0.15	—	980	980	0.04	0.01	—	984
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.68	1.17	< 0.005	0.03	—	0.03	0.03	—	0.03	—	162	162	0.01	< 0.005	—	163
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.81	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	229	229	< 0.005	< 0.005	0.46	230
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.05	0.69	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	212	212	< 0.005	< 0.005	0.01	213
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.16	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	51.1	51.1	< 0.005	< 0.005	0.05	51.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.47	8.47	< 0.005	< 0.005	0.01	8.50
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. 2-O (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.10	0.76	6.85	0.01	0.02	—	0.02	0.02	—	0.02	—	980	980	0.04	0.01	—	984
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.14	1.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	162	162	0.01	< 0.005	—	163
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.81	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	229	229	< 0.005	< 0.005	0.46	230
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.05	0.69	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	212	212	< 0.005	< 0.005	0.01	213

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.16	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	51.1	51.1	< 0.005	< 0.005	0.05	51.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.47	8.47	< 0.005	< 0.005	0.01	8.50
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. 2-B (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.72	1.44	13.8	17.7	0.02	0.54	—	0.54	0.49	—	0.49	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.72 t	1.44	13.8	17.7	0.02	0.54	—	0.54	0.49	—	0.49	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movement	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	0.34	3.29	4.24	0.01	0.13	—	0.13	0.12	—	0.12	—	604	604	0.02	< 0.005	—	606
Dust From Material Movement	—	—	—	—	—	—	0.51	0.51	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.60	0.77	< 0.005	0.02	—	0.02	0.02	—	0.02	—	100	100	< 0.005	< 0.005	—	100
Dust From Material Movement	—	—	—	—	—	—	0.09	0.09	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.89	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	235	235	< 0.005	< 0.005	0.59	237
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.10	0.02	1.26	0.63	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	1,099	1,099	0.08	0.17	1.77	1,154
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.77	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	218	218	< 0.005	0.01	0.02	221
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.33	0.64	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	1,099	1,099	0.08	0.17	0.05	1,153
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.18	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	52.7	52.7	< 0.005	< 0.005	0.06	52.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.31	0.15	< 0.005	< 0.005	0.26	0.26	< 0.005	0.07	0.07	—	262	262	0.02	0.04	0.18	275
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.72	8.72	< 0.005	< 0.005	0.01	8.76
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	43.4	43.4	< 0.005	0.01	0.03	45.6

3.8. 2-B (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.80	3.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	469	469	0.02	< 0.005	—	470
Dust From Material Movemer	—	—	—	—	—	—	0.20	0.20	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.15	0.60	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	77.6	77.6	< 0.005	< 0.005	—	77.9
Dust From Material Movemer	—	—	—	—	—	—	0.04	0.04	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.89	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	235	235	< 0.005	< 0.005	0.59	237
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.26	0.63	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	1,099	1,099	0.08	0.17	1.77	1,154
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.77	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	218	218	< 0.005	0.01	0.02	221
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.33	0.64	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	1,099	1,099	0.08	0.17	0.05	1,153
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.18	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	52.7	52.7	< 0.005	< 0.005	0.06	52.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.31	0.15	< 0.005	< 0.005	0.26	0.26	< 0.005	0.07	0.07	—	262	262	0.02	0.04	0.18	275
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.72	8.72	< 0.005	< 0.005	0.01	8.76
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	43.4	43.4	< 0.005	0.01	0.03	45.6

3.9. 2-B (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	1.64	1.38	13.5	17.7	0.02	0.50	—	0.50	0.46	—	0.46	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.64	1.38	13.5	17.7	0.02	0.50	—	0.50	0.46	—	0.46	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	0.41	4.02	5.25	0.01	0.15	—	0.15	0.14	—	0.14	—	753	753	0.03	0.01	—	756
Dust From Material Movemer	—	—	—	—	—	—	0.63	0.63	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.73	0.96	< 0.005	0.03	—	0.03	0.03	—	0.03	—	125	125	0.01	< 0.005	—	125

Dust From Material Movemer	—	—	—	—	—	—	0.12	0.12	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.85	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	232	232	< 0.005	< 0.005	0.52	233
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.22	0.61	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	1,066	1,066	0.07	0.17	1.59	1,121
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.73	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	215	215	< 0.005	< 0.005	0.01	216
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.29	0.61	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	1,066	1,066	0.07	0.17	0.04	1,120
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.22	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	64.7	64.7	< 0.005	< 0.005	0.07	65.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	< 0.005	0.38	0.18	< 0.005	< 0.005	0.32	0.32	< 0.005	0.08	0.09	—	317	317	0.02	0.05	0.20	333
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.7	10.7	< 0.005	< 0.005	0.01	10.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.07	0.03	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	52.5	52.5	< 0.005	0.01	0.03	55.2

3.10. 2-B (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.99	4.08	0.01	0.01	—	0.01	0.01	—	0.01	—	584	584	0.02	< 0.005	—	586
Dust From Material Movemer	—	—	—	—	—	—	0.25	0.25	—	0.03	0.03	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.18	0.74	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	96.7	96.7	< 0.005	< 0.005	—	97.0
Dust From Material Movemer	—	—	—	—	—	—	0.05	0.05	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.85	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	232	232	< 0.005	< 0.005	0.52	233
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.22	0.61	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	1,066	1,066	0.07	0.17	1.59	1,121
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.73	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	215	215	< 0.005	< 0.005	0.01	216
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.29	0.61	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	1,066	1,066	0.07	0.17	0.04	1,120
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.22	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	64.7	64.7	< 0.005	< 0.005	0.07	65.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	< 0.005	0.38	0.18	< 0.005	< 0.005	0.32	0.32	< 0.005	0.08	0.09	—	317	317	0.02	0.05	0.20	333
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.7	10.7	< 0.005	< 0.005	0.01	10.8

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.07	0.03	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	52.5	52.5	< 0.005	0.01	0.03	55.2

3.11. 2-N (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.20	1.85	16.3	27.0	0.04	0.72	—	0.72	0.67	—	0.67	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.19	3.19	—	0.35	0.35	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.99	1.64	< 0.005	0.04	—	0.04	0.04	—	0.04	—	249	249	0.01	< 0.005	—	250
Dust From Material Movemer	—	—	—	—	—	—	0.19	0.19	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.18	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	41.3	41.3	< 0.005	< 0.005	—	41.4
Dust From Material Movemer	—	—	—	—	—	—	0.04	0.04	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.73	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	215	215	< 0.005	< 0.005	0.01	216
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	13.2	13.2	< 0.005	< 0.005	0.01	13.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.19	2.19	< 0.005	< 0.005	< 0.005	2.19
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. 2-N (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.19	1.74	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	249	249	0.01	< 0.005	—	250
Dust From Material Movemer	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.3	41.3	< 0.005	< 0.005	—	41.4

Dust From Material Movemer	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.73	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	215	215	< 0.005	< 0.005	0.01	216
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	13.2	13.2	< 0.005	< 0.005	0.01	13.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.19	2.19	< 0.005	< 0.005	< 0.005	2.19
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. 2-N (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.13	1.79	15.7	27.0	0.04	0.69	—	0.69	0.63	—	0.63	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.19	3.19	—	0.35	0.35	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.98	1.69	< 0.005	0.04	—	0.04	0.04	—	0.04	—	258	258	0.01	< 0.005	—	258
Dust From Material Movemer	—	—	—	—	—	—	0.20	0.20	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.18	0.31	< 0.005	0.01	—	0.01	0.01	—	0.01	—	42.6	42.6	< 0.005	< 0.005	—	42.8
Dust From Material Movemer	—	—	—	—	—	—	0.04	0.04	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.05	0.69	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	212	212	< 0.005	< 0.005	0.01	213
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.02	0.02	—	13.4	13.4	< 0.005	< 0.005	0.01	13.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.22	2.22	< 0.005	< 0.005	< 0.005	2.23
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. 2-N (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movement	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.20	1.80	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	258	258	0.01	< 0.005	—	258
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.33	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	42.6	42.6	< 0.005	< 0.005	—	42.8
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.05	0.69	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	212	212	< 0.005	< 0.005	0.01	213
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.02	0.02	—	13.4	13.4	< 0.005	< 0.005	0.01	13.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.22	2.22	< 0.005	< 0.005	< 0.005	2.23
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. 2-D-1-A (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.09	1.28	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	364	364	0.01	0.02	0.03	369
Vendor	0.05	0.01	0.71	0.36	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	597	597	0.03	0.09	0.03	624
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	66.5	66.5	< 0.005	< 0.005	0.08	66.8
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	108	108	0.01	0.02	0.08	113
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	11.0	11.0	< 0.005	< 0.005	0.01	11.1
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	17.9	17.9	< 0.005	< 0.005	0.01	18.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. 2-D-1-A (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.09	1.28	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	364	364	0.01	0.02	0.03	369
Vendor	0.05	0.01	0.71	0.36	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	597	597	0.03	0.09	0.03	624
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	66.5	66.5	< 0.005	< 0.005	0.08	66.8
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	108	108	0.01	0.02	0.08	113
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	11.0	11.0	< 0.005	< 0.005	0.01	11.1
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	17.9	17.9	< 0.005	< 0.005	0.01	18.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. 2-D-1-C (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.87	4.90	48.3	63.5	0.13	1.11	—	1.11	1.02	—	1.02	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.87	4.90	48.3	63.5	0.13	1.11	—	1.11	1.02	—	1.02	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.19	3.50	34.5	45.3	0.10	0.79	—	0.79	0.73	—	0.73	—	9,623	9,623	0.39	0.08	—	9,656
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.76	0.64	6.29	8.27	0.02	0.14	—	0.14	0.13	—	0.13	—	1,593	1,593	0.06	0.01	—	1,599

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.19	0.12	2.28	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	619	619	0.01	0.01	1.39	623
Vendor	0.09	0.02	1.24	0.57	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,338	1,338	0.06	0.19	2.03	1,398
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.18	0.15	1.95	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	574	574	0.01	0.01	0.04	576
Vendor	0.08	0.02	1.30	0.58	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,338	1,338	0.06	0.19	0.05	1,397
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.13	0.09	1.38	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	414	414	0.01	< 0.005	0.43	416
Vendor	0.06	0.02	0.92	0.41	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	956	956	0.05	0.14	0.63	998
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.25	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	68.6	68.6	< 0.005	< 0.005	0.07	68.9
Vendor	0.01	< 0.005	0.17	0.08	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	158	158	0.01	0.02	0.10	165
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.18. 2-D-1-C (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.59	3.07	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,231	6,231	0.25	0.05	—	6,252
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.56	6.09	0.01	0.02	—	0.02	0.02	—	0.02	—	1,032	1,032	0.04	0.01	—	1,035
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.19	0.19	0.12	2.28	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	619	619	0.01	0.01	1.39	623
Vendor	0.09	0.02	1.24	0.57	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,338	1,338	0.06	0.19	2.03	1,398
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.18	0.15	1.95	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	574	574	0.01	0.01	0.04	576
Vendor	0.08	0.02	1.30	0.58	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,338	1,338	0.06	0.19	0.05	1,397
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.13	0.09	1.38	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	414	414	0.01	< 0.005	0.43	416
Vendor	0.06	0.02	0.92	0.41	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	956	956	0.05	0.14	0.63	998
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.25	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	68.6	68.6	< 0.005	< 0.005	0.07	68.9
Vendor	0.01	< 0.005	0.17	0.08	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	158	158	0.01	0.02	0.10	165
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.19. 2-D-1-C (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.70	4.76	46.9	63.0	0.13	1.00	—	1.00	0.92	—	0.92	—	13,473	13,473	0.55	0.11	—	13,519

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.70	4.76	46.9	63.0	0.13	1.00	—	1.00	0.92	—	0.92	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.08	3.41	33.6	45.1	0.10	0.71	—	0.71	0.66	—	0.66	—	9,650	9,650	0.39	0.08	—	9,683
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	0.62	6.13	8.23	0.02	0.13	—	0.13	0.12	—	0.12	—	1,598	1,598	0.06	0.01	—	1,603
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.18	0.10	2.16	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	611	611	0.01	0.01	1.22	614
Vendor	0.09	0.02	1.18	0.55	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,290	1,290	0.05	0.19	1.73	1,350
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.18	0.17	0.12	1.84	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	566	566	0.01	0.01	0.03	568
Vendor	0.08	0.02	1.24	0.55	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,291	1,291	0.05	0.19	0.04	1,349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.09	1.30	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	410	410	0.01	< 0.005	0.38	412
Vendor	0.06	0.02	0.88	0.39	0.01	0.01	1.07	1.08	0.01	0.28	0.28	—	924	924	0.04	0.14	0.54	967
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	67.9	67.9	< 0.005	< 0.005	0.06	68.1
Vendor	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.20	0.20	< 0.005	0.05	0.05	—	153	153	0.01	0.02	0.09	160
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.20. 2-D-1-C (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.59	3.08	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,248	6,248	0.25	0.05	—	6,269
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.56	6.10	0.01	0.02	—	0.02	0.02	—	0.02	—	1,034	1,034	0.04	0.01	—	1,038
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.18	0.10	2.16	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	611	611	0.01	0.01	1.22	614
Vendor	0.09	0.02	1.18	0.55	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,290	1,290	0.05	0.19	1.73	1,350
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.17	0.12	1.84	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	566	566	0.01	0.01	0.03	568
Vendor	0.08	0.02	1.24	0.55	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,291	1,291	0.05	0.19	0.04	1,349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.09	1.30	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	410	410	0.01	< 0.005	0.38	412
Vendor	0.06	0.02	0.88	0.39	0.01	0.01	1.07	1.08	0.01	0.28	0.28	—	924	924	0.04	0.14	0.54	967
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	67.9	67.9	< 0.005	< 0.005	0.06	68.1
Vendor	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.20	0.20	< 0.005	0.05	0.05	—	153	153	0.01	0.02	0.09	160
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. 2-D-1-C (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.57	4.65	45.7	62.9	0.13	0.89	—	0.89	0.82	—	0.82	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.29	2.86	3.94	0.01	0.06	—	0.06	0.05	—	0.05	—	844	844	0.03	0.01	—	847

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.52	0.72	< 0.005	0.01	—	0.01	0.01	—	0.01	—	140	140	0.01	< 0.005	—	140
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.12	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	559	559	0.01	0.01	0.03	561
Vendor	0.07	0.02	1.20	0.53	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,245	1,245	0.05	0.18	0.04	1,300
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	35.4	35.4	< 0.005	< 0.005	0.03	35.5
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	77.9	77.9	< 0.005	0.01	0.04	81.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	5.86	5.86	< 0.005	< 0.005	< 0.005	5.88
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	12.9	12.9	< 0.005	< 0.005	0.01	13.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.22. 2-D-1-C (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.27	2.92	0.01	0.01	—	0.01	0.01	—	0.01	—	546	546	0.02	< 0.005	—	548
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.53	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	90.4	90.4	< 0.005	< 0.005	—	90.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.12	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	559	559	0.01	0.01	0.03	561

Vendor	0.07	0.02	1.20	0.53	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,245	1,245	0.05	0.18	0.04	1,300
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	35.4	35.4	< 0.005	< 0.005	0.03	35.5
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	77.9	77.9	< 0.005	0.01	0.04	81.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	5.86	5.86	< 0.005	< 0.005	< 0.005	5.88
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	12.9	12.9	< 0.005	< 0.005	0.01	13.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.23. 2-D-2-A (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.07	1.42	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	387	387	0.01	< 0.005	0.87	389
Vendor	0.05	0.02	0.65	0.34	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	576	576	0.03	0.08	0.85	602
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.09	1.22	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	359	359	0.01	< 0.005	0.02	360
Vendor	0.05	0.01	0.68	0.35	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	576	576	0.03	0.08	0.02	602
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.21	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	62.6	62.6	< 0.005	< 0.005	0.06	62.9
Vendor	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	99.4	99.4	0.01	0.01	0.06	104
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.4	10.4	< 0.005	< 0.005	0.01	10.4
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	16.5	16.5	< 0.005	< 0.005	0.01	17.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.24. 2-D-2-A (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.07	1.42	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	387	387	0.01	< 0.005	0.87	389
Vendor	0.05	0.02	0.65	0.34	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	576	576	0.03	0.08	0.85	602
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.09	1.22	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	359	359	0.01	< 0.005	0.02	360
Vendor	0.05	0.01	0.68	0.35	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	576	576	0.03	0.08	0.02	602
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.21	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	62.6	62.6	< 0.005	< 0.005	0.06	62.9
Vendor	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	99.4	99.4	0.01	0.01	0.06	104

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.4	10.4	< 0.005	< 0.005	0.01	10.4
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	16.5	16.5	< 0.005	< 0.005	0.01	17.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.25. 2-D-2-C (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.87	4.90	48.3	63.5	0.13	1.11	—	1.11	1.02	—	1.02	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.87	4.90	48.3	63.5	0.13	1.11	—	1.11	1.02	—	1.02	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.81	2.35	23.1	30.4	0.06	0.53	—	0.53	0.49	—	0.49	—	6,459	6,459	0.26	0.05	—	6,482

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.43	4.22	5.55	0.01	0.10	—	0.10	0.09	—	0.09	—	1,069	1,069	0.04	0.01	—	1,073
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.19	0.12	2.28	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	619	619	0.01	0.01	1.39	623
Vendor	0.09	0.02	1.24	0.57	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,338	1,338	0.06	0.19	2.03	1,398
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.18	0.15	1.95	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	574	574	0.01	0.01	0.04	576
Vendor	0.08	0.02	1.30	0.58	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,338	1,338	0.06	0.19	0.05	1,397
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.06	0.93	0.00	0.00	1.28	1.28	0.00	0.32	0.32	—	278	278	0.01	< 0.005	0.29	279
Vendor	0.04	0.01	0.62	0.28	0.01	0.01	0.72	0.72	0.01	0.18	0.19	—	641	641	0.03	0.09	0.42	670
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	46.1	46.1	< 0.005	< 0.005	0.05	46.3
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	106	106	0.01	0.02	0.07	111
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.26. 2-D-2-C (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	2.06	22.4	0.04	0.08	—	0.08	0.08	—	0.08	—	4,182	4,182	0.17	0.03	—	4,197
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.38	4.09	0.01	0.01	—	0.01	0.01	—	0.01	—	692	692	0.03	0.01	—	695

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.19	0.12	2.28	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	619	619	0.01	0.01	1.39	623
Vendor	0.09	0.02	1.24	0.57	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,338	1,338	0.06	0.19	2.03	1,398
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.18	0.15	1.95	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	574	574	0.01	0.01	0.04	576
Vendor	0.08	0.02	1.30	0.58	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,338	1,338	0.06	0.19	0.05	1,397
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.06	0.93	0.00	0.00	1.28	1.28	0.00	0.32	0.32	—	278	278	0.01	< 0.005	0.29	279
Vendor	0.04	0.01	0.62	0.28	0.01	0.01	0.72	0.72	0.01	0.18	0.19	—	641	641	0.03	0.09	0.42	670
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	46.1	46.1	< 0.005	< 0.005	0.05	46.3
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	106	106	0.01	0.02	0.07	111
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.27. 2-D-2-C (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.70	4.76	46.9	63.0	0.13	1.00	—	1.00	0.92	—	0.92	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.70	4.76	46.9	63.0	0.13	1.00	—	1.00	0.92	—	0.92	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.08	3.41	33.6	45.1	0.10	0.71	—	0.71	0.66	—	0.66	—	9,650	9,650	0.39	0.08	—	9,683
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	0.62	6.13	8.23	0.02	0.13	—	0.13	0.12	—	0.12	—	1,598	1,598	0.06	0.01	—	1,603
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.18	0.18	0.10	2.16	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	611	611	0.01	0.01	1.22	614
Vendor	0.09	0.02	1.18	0.55	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,290	1,290	0.05	0.19	1.73	1,350
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.17	0.12	1.84	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	566	566	0.01	0.01	0.03	568
Vendor	0.08	0.02	1.24	0.55	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,291	1,291	0.05	0.19	0.04	1,349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.09	1.30	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	410	410	0.01	< 0.005	0.38	412
Vendor	0.06	0.02	0.88	0.39	0.01	0.01	1.07	1.08	0.01	0.28	0.28	—	924	924	0.04	0.14	0.54	967
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	67.9	67.9	< 0.005	< 0.005	0.06	68.1
Vendor	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.20	0.20	< 0.005	0.05	0.05	—	153	153	0.01	0.02	0.09	160
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.28. 2-D-2-C (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.59	3.08	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,248	6,248	0.25	0.05	—	6,269
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.56	6.10	0.01	0.02	—	0.02	0.02	—	0.02	—	1,034	1,034	0.04	0.01	—	1,038
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.18	0.10	2.16	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	611	611	0.01	0.01	1.22	614
Vendor	0.09	0.02	1.18	0.55	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,290	1,290	0.05	0.19	1.73	1,350
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.18	0.17	0.12	1.84	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	566	566	0.01	0.01	0.03	568
Vendor	0.08	0.02	1.24	0.55	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,291	1,291	0.05	0.19	0.04	1,349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.09	1.30	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	410	410	0.01	< 0.005	0.38	412
Vendor	0.06	0.02	0.88	0.39	0.01	0.01	1.07	1.08	0.01	0.28	0.28	—	924	924	0.04	0.14	0.54	967
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	67.9	67.9	< 0.005	< 0.005	0.06	68.1
Vendor	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.20	0.20	< 0.005	0.05	0.05	—	153	153	0.01	0.02	0.09	160
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.29. 2-D-2-C (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.57	4.65	45.7	62.9	0.13	0.89	—	0.89	0.82	—	0.82	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	5.57	4.65	45.7	62.9	0.13	0.89	—	0.89	0.82	—	0.82	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.66	1.38	13.6	18.7	0.04	0.27	—	0.27	0.24	—	0.24	—	4,008	4,008	0.16	0.03	—	4,021
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	0.25	2.48	3.42	0.01	0.05	—	0.05	0.04	—	0.04	—	663	663	0.03	0.01	—	666
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.17	0.10	2.08	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	603	603	0.01	0.01	1.06	606
Vendor	0.07	0.02	1.13	0.52	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,244	1,244	0.05	0.18	1.48	1,301
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.12	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	559	559	0.01	0.01	0.03	561
Vendor	0.07	0.02	1.20	0.53	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,245	1,245	0.05	0.18	0.04	1,300
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.52	0.00	0.00	0.79	0.79	0.00	0.20	0.20	—	168	168	< 0.005	< 0.005	0.14	169
Vendor	0.02	0.01	0.35	0.16	< 0.005	< 0.005	0.44	0.45	< 0.005	0.11	0.12	—	370	370	0.02	0.05	0.19	387
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	27.8	27.8	< 0.005	< 0.005	0.02	27.9
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	61.3	61.3	< 0.005	0.01	0.03	64.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.30. 2-D-2-C (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.25	1.28	13.9	0.02	0.05	—	0.05	0.05	—	0.05	—	2,595	2,595	0.11	0.02	—	2,604
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.23	2.53	< 0.005	0.01	—	0.01	0.01	—	0.01	—	430	430	0.02	< 0.005	—	431
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.17	0.10	2.08	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	603	603	0.01	0.01	1.06	606
Vendor	0.07	0.02	1.13	0.52	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,244	1,244	0.05	0.18	1.48	1,301
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.12	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	559	559	0.01	0.01	0.03	561
Vendor	0.07	0.02	1.20	0.53	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,245	1,245	0.05	0.18	0.04	1,300
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.52	0.00	0.00	0.79	0.79	0.00	0.20	0.20	—	168	168	< 0.005	< 0.005	0.14	169
Vendor	0.02	0.01	0.35	0.16	< 0.005	< 0.005	0.44	0.45	< 0.005	0.11	0.12	—	370	370	0.02	0.05	0.19	387
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	27.8	27.8	< 0.005	< 0.005	0.02	27.9
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	61.3	61.3	< 0.005	0.01	0.03	64.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.31. 2-Q (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.02	1.44	0.72	0.01	0.02	1.25	1.27	0.02	0.32	0.34	—	1,256	1,256	0.09	0.20	2.02	1,319

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.02	1.52	0.73	0.01	0.02	1.25	1.27	0.02	0.32	0.34	—	1,256	1,256	0.09	0.20	0.05	1,318
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.63	0.30	< 0.005	0.01	0.52	0.52	0.01	0.13	0.14	—	526	526	0.04	0.08	0.37	552
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.11	0.06	< 0.005	< 0.005	0.09	0.10	< 0.005	0.02	0.03	—	87.1	87.1	0.01	0.01	0.06	91.4

3.32. 2-Q (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.02	1.44	0.72	0.01	0.02	1.25	1.27	0.02	0.32	0.34	—	1,256	1,256	0.09	0.20	2.02	1,319
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.02	1.52	0.73	0.01	0.02	1.25	1.27	0.02	0.32	0.34	—	1,256	1,256	0.09	0.20	0.05	1,318
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.63	0.30	< 0.005	0.01	0.52	0.52	0.01	0.13	0.14	—	526	526	0.04	0.08	0.37	552
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.11	0.06	< 0.005	< 0.005	0.09	0.10	< 0.005	0.02	0.03	—	87.1	87.1	0.01	0.01	0.06	91.4

3.33. 2-Q (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.02	1.39	0.70	0.01	0.02	1.25	1.27	0.02	0.32	0.34	—	1,218	1,218	0.08	0.20	1.82	1,281
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.02	1.47	0.70	0.01	0.02	1.25	1.27	0.02	0.32	0.34	—	1,219	1,219	0.08	0.20	0.05	1,280
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.01	1.03	0.50	0.01	0.01	0.88	0.89	0.01	0.23	0.24	—	870	870	0.06	0.14	0.56	914
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.19	0.09	< 0.005	< 0.005	0.16	0.16	< 0.005	0.04	0.04	—	144	144	0.01	0.02	0.09	151

3.34. 2-Q (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.02	1.39	0.70	0.01	0.02	1.25	1.27	0.02	0.32	0.34	—	1,218	1,218	0.08	0.20	1.82	1,281
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.02	1.47	0.70	0.01	0.02	1.25	1.27	0.02	0.32	0.34	—	1,219	1,219	0.08	0.20	0.05	1,280
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.01	1.03	0.50	0.01	0.01	0.88	0.89	0.01	0.23	0.24	—	870	870	0.06	0.14	0.56	914
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.19	0.09	< 0.005	< 0.005	0.16	0.16	< 0.005	0.04	0.04	—	144	144	0.01	0.02	0.09	151

3.35. 2-Q (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.35	0.66	0.01	0.02	1.25	1.27	0.02	0.32	0.34	—	1,182	1,182	0.07	0.19	1.61	1,242
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.43	0.67	0.01	0.02	1.25	1.27	0.02	0.32	0.34	—	1,183	1,183	0.07	0.19	0.04	1,241
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.01	1.01	0.47	0.01	0.01	0.88	0.89	0.01	0.23	0.24	—	847	847	0.05	0.14	0.50	889
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.18	0.09	< 0.005	< 0.005	0.16	0.16	< 0.005	0.04	0.04	—	140	140	0.01	0.02	0.08	147

3.36. 2-Q (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.35	0.66	0.01	0.02	1.25	1.27	0.02	0.32	0.34	—	1,182	1,182	0.07	0.19	1.61	1,242
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.10	0.02	1.43	0.67	0.01	0.02	1.25	1.27	0.02	0.32	0.34	—	1,183	1,183	0.07	0.19	0.04	1,241
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.01	1.01	0.47	0.01	0.01	0.88	0.89	0.01	0.23	0.24	—	847	847	0.05	0.14	0.50	889
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.18	0.09	< 0.005	< 0.005	0.16	0.16	< 0.005	0.04	0.04	—	140	140	0.01	0.02	0.08	147

3.37. 2-Q (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.32	0.63	0.01	0.02	1.25	1.27	0.02	0.32	0.34	—	1,150	1,150	0.07	0.18	1.41	1,207
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.38	0.64	0.01	0.02	1.25	1.27	0.02	0.32	0.34	—	1,150	1,150	0.07	0.18	0.04	1,206
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	0.01	0.89	0.42	0.01	0.01	0.81	0.82	0.01	0.21	0.22	—	754	754	0.05	0.12	0.40	791
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.16	0.08	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.04	—	125	125	0.01	0.02	0.07	131

3.38. 2-Q (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.32	0.63	0.01	0.02	1.25	1.27	0.02	0.32	0.34	—	1,150	1,150	0.07	0.18	1.41	1,207
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.38	0.64	0.01	0.02	1.25	1.27	0.02	0.32	0.34	—	1,150	1,150	0.07	0.18	0.04	1,206
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	0.01	0.89	0.42	0.01	0.01	0.81	0.82	0.01	0.21	0.22	—	754	754	0.05	0.12	0.40	791
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.16	0.08	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.04	—	125	125	0.01	0.02	0.07	131

3.39. 2-F-1-A (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.07	1.42	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	387	387	0.01	< 0.005	0.87	389
Vendor	0.05	0.02	0.65	0.34	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	576	576	0.03	0.08	0.85	602
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.09	1.22	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	359	359	0.01	< 0.005	0.02	360
Vendor	0.05	0.01	0.68	0.35	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	576	576	0.03	0.08	0.02	602
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.21	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	62.6	62.6	< 0.005	< 0.005	0.06	62.9
Vendor	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	99.4	99.4	0.01	0.01	0.06	104
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.4	10.4	< 0.005	< 0.005	0.01	10.4
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	16.5	16.5	< 0.005	< 0.005	0.01	17.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.40. 2-F-1-A (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.07	1.42	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	387	387	0.01	< 0.005	0.87	389
Vendor	0.05	0.02	0.65	0.34	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	576	576	0.03	0.08	0.85	602
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.09	1.22	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	359	359	0.01	< 0.005	0.02	360
Vendor	0.05	0.01	0.68	0.35	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	576	576	0.03	0.08	0.02	602
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.21	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	62.6	62.6	< 0.005	< 0.005	0.06	62.9
Vendor	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	99.4	99.4	0.01	0.01	0.06	104
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.4	10.4	< 0.005	< 0.005	0.01	10.4
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	16.5	16.5	< 0.005	< 0.005	0.01	17.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.41. 2-F-1-C (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.87	4.90	48.3	63.5	0.13	1.11	—	1.11	1.02	—	1.02	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.87	4.90	48.3	63.5	0.13	1.11	—	1.11	1.02	—	1.02	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.81	2.35	23.1	30.4	0.06	0.53	—	0.53	0.49	—	0.49	—	6,459	6,459	0.26	0.05	—	6,482
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.43	4.22	5.55	0.01	0.10	—	0.10	0.09	—	0.09	—	1,069	1,069	0.04	0.01	—	1,073
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.19	0.12	2.28	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	619	619	0.01	0.01	1.39	623
Vendor	0.09	0.02	1.24	0.57	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,338	1,338	0.06	0.19	2.03	1,398
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.18	0.15	1.95	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	574	574	0.01	0.01	0.04	576
Vendor	0.08	0.02	1.30	0.58	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,338	1,338	0.06	0.19	0.05	1,397
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.06	0.93	0.00	0.00	1.28	1.28	0.00	0.32	0.32	—	278	278	0.01	< 0.005	0.29	279
Vendor	0.04	0.01	0.62	0.28	0.01	0.01	0.72	0.72	0.01	0.18	0.19	—	641	641	0.03	0.09	0.42	670
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	46.1	46.1	< 0.005	< 0.005	0.05	46.3
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	106	106	0.01	0.02	0.07	111
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.42. 2-F-1-C (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	2.06	22.4	0.04	0.08	—	0.08	0.08	—	0.08	—	4,182	4,182	0.17	0.03	—	4,197
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.38	4.09	0.01	0.01	—	0.01	0.01	—	0.01	—	692	692	0.03	0.01	—	695
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.19	0.12	2.28	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	619	619	0.01	0.01	1.39	623
Vendor	0.09	0.02	1.24	0.57	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,338	1,338	0.06	0.19	2.03	1,398
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.18	0.15	1.95	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	574	574	0.01	0.01	0.04	576
Vendor	0.08	0.02	1.30	0.58	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,338	1,338	0.06	0.19	0.05	1,397
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.06	0.93	0.00	0.00	1.28	1.28	0.00	0.32	0.32	—	278	278	0.01	< 0.005	0.29	279
Vendor	0.04	0.01	0.62	0.28	0.01	0.01	0.72	0.72	0.01	0.18	0.19	—	641	641	0.03	0.09	0.42	670
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	46.1	46.1	< 0.005	< 0.005	0.05	46.3
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	106	106	0.01	0.02	0.07	111
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.43. 2-F-1-C (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.70	4.76	46.9	63.0	0.13	1.00	—	1.00	0.92	—	0.92	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipmer	5.70 t	4.76	46.9	63.0	0.13	1.00	—	1.00	0.92	—	0.92	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	4.08	3.41	33.6	45.1	0.10	0.71	—	0.71	0.66	—	0.66	—	9,650	9,650	0.39	0.08	—	9,683
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.74	0.62	6.13	8.23	0.02	0.13	—	0.13	0.12	—	0.12	—	1,598	1,598	0.06	0.01	—	1,603
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.18	0.10	2.16	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	611	611	0.01	0.01	1.22	614
Vendor	0.09	0.02	1.18	0.55	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,290	1,290	0.05	0.19	1.73	1,350
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.17	0.12	1.84	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	566	566	0.01	0.01	0.03	568
Vendor	0.08	0.02	1.24	0.55	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,291	1,291	0.05	0.19	0.04	1,349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.13	0.12	0.09	1.30	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	410	410	0.01	< 0.005	0.38	412
Vendor	0.06	0.02	0.88	0.39	0.01	0.01	1.07	1.08	0.01	0.28	0.28	—	924	924	0.04	0.14	0.54	967
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	67.9	67.9	< 0.005	< 0.005	0.06	68.1
Vendor	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.20	0.20	< 0.005	0.05	0.05	—	153	153	0.01	0.02	0.09	160
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.44. 2-F-1-C (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.59	0.59	3.08	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,248	6,248	0.25	0.05	—	6,269
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.56	6.10	0.01	0.02	—	0.02	0.02	—	0.02	—	1,034	1,034	0.04	0.01	—	1,038
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.18	0.10	2.16	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	611	611	0.01	0.01	1.22	614
Vendor	0.09	0.02	1.18	0.55	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,290	1,290	0.05	0.19	1.73	1,350
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.17	0.12	1.84	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	566	566	0.01	0.01	0.03	568
Vendor	0.08	0.02	1.24	0.55	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,291	1,291	0.05	0.19	0.04	1,349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.09	1.30	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	410	410	0.01	< 0.005	0.38	412
Vendor	0.06	0.02	0.88	0.39	0.01	0.01	1.07	1.08	0.01	0.28	0.28	—	924	924	0.04	0.14	0.54	967
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	67.9	67.9	< 0.005	< 0.005	0.06	68.1
Vendor	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.20	0.20	< 0.005	0.05	0.05	—	153	153	0.01	0.02	0.09	160

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.45. 2-F-1-C (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.57	4.65	45.7	62.9	0.13	0.89	—	0.89	0.82	—	0.82	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.57	4.65	45.7	62.9	0.13	0.89	—	0.89	0.82	—	0.82	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.66	1.38	13.6	18.7	0.04	0.27	—	0.27	0.24	—	0.24	—	4,008	4,008	0.16	0.03	—	4,021
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.30	0.25	2.48	3.42	0.01	0.05	—	0.05	0.04	—	0.04	—	663	663	0.03	0.01	—	666
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.17	0.10	2.08	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	603	603	0.01	0.01	1.06	606
Vendor	0.07	0.02	1.13	0.52	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,244	1,244	0.05	0.18	1.48	1,301
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.12	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	559	559	0.01	0.01	0.03	561
Vendor	0.07	0.02	1.20	0.53	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,245	1,245	0.05	0.18	0.04	1,300
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.52	0.00	0.00	0.79	0.79	0.00	0.20	0.20	—	168	168	< 0.005	< 0.005	0.14	169
Vendor	0.02	0.01	0.35	0.16	< 0.005	< 0.005	0.44	0.45	< 0.005	0.11	0.12	—	370	370	0.02	0.05	0.19	387
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	27.8	27.8	< 0.005	< 0.005	0.02	27.9
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	61.3	61.3	< 0.005	0.01	0.03	64.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.46. 2-F-1-C (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.25	1.28	13.9	0.02	0.05	—	0.05	0.05	—	0.05	—	2,595	2,595	0.11	0.02	—	2,604
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.23	2.53	< 0.005	0.01	—	0.01	0.01	—	0.01	—	430	430	0.02	< 0.005	—	431
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.17	0.10	2.08	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	603	603	0.01	0.01	1.06	606
Vendor	0.07	0.02	1.13	0.52	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,244	1,244	0.05	0.18	1.48	1,301
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.12	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	559	559	0.01	0.01	0.03	561
Vendor	0.07	0.02	1.20	0.53	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,245	1,245	0.05	0.18	0.04	1,300
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.52	0.00	0.00	0.79	0.79	0.00	0.20	0.20	—	168	168	< 0.005	< 0.005	0.14	169
Vendor	0.02	0.01	0.35	0.16	< 0.005	< 0.005	0.44	0.45	< 0.005	0.11	0.12	—	370	370	0.02	0.05	0.19	387
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	27.8	27.8	< 0.005	< 0.005	0.02	27.9
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	61.3	61.3	< 0.005	0.01	0.03	64.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.47. 2-H-1-A (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.57	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	155	155	< 0.005	< 0.005	0.35	156
Vendor	0.03	0.01	0.39	0.20	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	346	346	0.02	0.05	0.51	361
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	25.8	25.8	< 0.005	< 0.005	0.03	25.9
Vendor	0.01	< 0.005	0.07	0.04	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	61.6	61.6	< 0.005	0.01	0.04	64.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.28	4.28	< 0.005	< 0.005	< 0.005	4.29
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	0.01	10.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.48. 2-H-1-A (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.57	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	155	155	< 0.005	< 0.005	0.35	156
Vendor	0.03	0.01	0.39	0.20	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	346	346	0.02	0.05	0.51	361
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	25.8	25.8	< 0.005	< 0.005	0.03	25.9
Vendor	0.01	< 0.005	0.07	0.04	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	61.6	61.6	< 0.005	0.01	0.04	64.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.28	4.28	< 0.005	< 0.005	< 0.005	4.29
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	0.01	10.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.49. 2-H-1-C (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.87	4.90	48.3	63.5	0.13	1.11	—	1.11	1.02	—	1.02	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.87	4.90	48.3	63.5	0.13	1.11	—	1.11	1.02	—	1.02	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.40	1.17	11.5	15.1	0.03	0.26	—	0.26	0.24	—	0.24	—	3,217	3,217	0.13	0.03	—	3,228
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.21	2.10	2.76	0.01	0.05	—	0.05	0.04	—	0.04	—	533	533	0.02	< 0.005	—	534
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.85	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	232	232	< 0.005	< 0.005	0.52	233
Vendor	0.03	0.01	0.39	0.20	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	346	346	0.02	0.05	0.51	361
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.73	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	215	215	< 0.005	< 0.005	0.01	216
Vendor	0.03	0.01	0.41	0.21	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	346	346	0.02	0.05	0.01	361
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	51.9	51.9	< 0.005	< 0.005	0.05	52.2
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	82.5	82.5	< 0.005	0.01	0.05	86.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.60	8.60	< 0.005	< 0.005	0.01	8.64
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	0.01	14.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.50. 2-H-1-C (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.20	1.03	11.1	0.02	0.04	—	0.04	0.04	—	0.04	—	2,083	2,083	0.08	0.02	—	2,090
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.19	2.03	< 0.005	0.01	—	0.01	0.01	—	0.01	—	345	345	0.01	< 0.005	—	346
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.85	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	232	232	< 0.005	< 0.005	0.52	233
Vendor	0.03	0.01	0.39	0.20	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	346	346	0.02	0.05	0.51	361
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.73	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	215	215	< 0.005	< 0.005	0.01	216
Vendor	0.03	0.01	0.41	0.21	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	346	346	0.02	0.05	0.01	361
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	51.9	51.9	< 0.005	< 0.005	0.05	52.2
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	82.5	82.5	< 0.005	0.01	0.05	86.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.60	8.60	< 0.005	< 0.005	0.01	8.64
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	0.01	14.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.51. 2-H-1-C (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	5.70	4.76	46.9	63.0	0.13	1.00	—	1.00	0.92	—	0.92	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.70	4.76	46.9	63.0	0.13	1.00	—	1.00	0.92	—	0.92	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.08	3.41	33.6	45.1	0.10	0.71	—	0.71	0.66	—	0.66	—	9,650	9,650	0.39	0.08	—	9,683
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	0.62	6.13	8.23	0.02	0.13	—	0.13	0.12	—	0.12	—	1,598	1,598	0.06	0.01	—	1,603
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.81	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	229	229	< 0.005	< 0.005	0.46	230
Vendor	0.03	0.01	0.37	0.20	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	333	333	0.02	0.05	0.44	349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.05	0.69	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	212	212	< 0.005	< 0.005	0.01	213
Vendor	0.03	0.01	0.39	0.20	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	334	334	0.02	0.05	0.01	349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.49	0.00	0.00	0.72	0.72	0.00	0.18	0.18	—	154	154	< 0.005	< 0.005	0.14	154
Vendor	0.02	0.01	0.28	0.14	< 0.005	< 0.005	0.27	0.27	< 0.005	0.07	0.07	—	239	239	0.01	0.04	0.14	250
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	25.4	25.4	< 0.005	< 0.005	0.02	25.6
Vendor	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	39.6	39.6	< 0.005	0.01	0.02	41.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.52. 2-H-1-C (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.59	3.08	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,248	6,248	0.25	0.05	—	6,269
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.56	6.10	0.01	0.02	—	0.02	0.02	—	0.02	—	1,034	1,034	0.04	0.01	—	1,038
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.81	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	229	229	< 0.005	< 0.005	0.46	230
Vendor	0.03	0.01	0.37	0.20	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	333	333	0.02	0.05	0.44	349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.05	0.69	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	212	212	< 0.005	< 0.005	0.01	213
Vendor	0.03	0.01	0.39	0.20	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	334	334	0.02	0.05	0.01	349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.05	0.05	0.03	0.49	0.00	0.00	0.72	0.72	0.00	0.18	0.18	—	154	154	< 0.005	< 0.005	0.14	154
Vendor	0.02	0.01	0.28	0.14	< 0.005	< 0.005	0.27	0.27	< 0.005	0.07	0.07	—	239	239	0.01	0.04	0.14	250
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	25.4	25.4	< 0.005	< 0.005	0.02	25.6
Vendor	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	39.6	39.6	< 0.005	0.01	0.02	41.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.53. 2-H-1-C (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.57	4.65	45.7	62.9	0.13	0.89	—	0.89	0.82	—	0.82	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.57	4.65	45.7	62.9	0.13	0.89	—	0.89	0.82	—	0.82	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	1.66	1.38	13.6	18.7	0.04	0.27	—	0.27	0.24	—	0.24	—	4,008	4,008	0.16	0.03	—	4,021
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	0.25	2.48	3.42	0.01	0.05	—	0.05	0.04	—	0.04	—	663	663	0.03	0.01	—	666
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.78	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	226	226	< 0.005	< 0.005	0.40	227
Vendor	0.03	0.01	0.36	0.19	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	322	322	0.02	0.05	0.37	337
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	210	210	< 0.005	< 0.005	0.01	210
Vendor	0.02	0.01	0.38	0.19	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	322	322	0.02	0.05	0.01	337
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	63.0	63.0	< 0.005	< 0.005	0.05	63.3
Vendor	0.01	< 0.005	0.11	0.06	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	95.8	95.8	< 0.005	0.01	0.05	100
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.4	10.4	< 0.005	< 0.005	0.01	10.5
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	15.9	15.9	< 0.005	< 0.005	0.01	16.6

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.54. 2-H-1-C (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.25	1.28	13.9	0.02	0.05	—	0.05	0.05	—	0.05	—	2,595	2,595	0.11	0.02	—	2,604
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.04	0.04	0.23	2.53	< 0.005	0.01	—	0.01	0.01	—	0.01	—	430	430	0.02	< 0.005	—	431
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.78	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	226	226	< 0.005	< 0.005	0.40	227
Vendor	0.03	0.01	0.36	0.19	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	322	322	0.02	0.05	0.37	337
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	210	210	< 0.005	< 0.005	0.01	210
Vendor	0.02	0.01	0.38	0.19	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	322	322	0.02	0.05	0.01	337
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	63.0	63.0	< 0.005	< 0.005	0.05	63.3
Vendor	0.01	< 0.005	0.11	0.06	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	95.8	95.8	< 0.005	0.01	0.05	100
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.4	10.4	< 0.005	< 0.005	0.01	10.5
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	15.9	15.9	< 0.005	< 0.005	0.01	16.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.55. 2-H-2-A (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.57	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	155	155	< 0.005	< 0.005	0.35	156
Vendor	0.03	0.01	0.39	0.20	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	346	346	0.02	0.05	0.51	361
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	25.8	25.8	< 0.005	< 0.005	0.03	25.9
Vendor	0.01	< 0.005	0.07	0.04	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	61.6	61.6	< 0.005	0.01	0.04	64.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.28	4.28	< 0.005	< 0.005	< 0.005	4.29

Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	0.01	10.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.56. 2-H-2-A (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.57	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	155	155	< 0.005	< 0.005	0.35	156
Vendor	0.03	0.01	0.39	0.20	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	346	346	0.02	0.05	0.51	361
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	25.8	25.8	< 0.005	< 0.005	0.03	25.9
Vendor	0.01	< 0.005	0.07	0.04	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	61.6	61.6	< 0.005	0.01	0.04	64.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.28	4.28	< 0.005	< 0.005	< 0.005	4.29
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	0.01	10.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.57. 2-H-2-C (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.87	4.90	48.3	63.5	0.13	1.11	—	1.11	1.02	—	1.02	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.87	4.90	48.3	63.5	0.13	1.11	—	1.11	1.02	—	1.02	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.40	1.17	11.5	15.1	0.03	0.26	—	0.26	0.24	—	0.24	—	3,217	3,217	0.13	0.03	—	3,228
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.21	2.10	2.76	0.01	0.05	—	0.05	0.04	—	0.04	—	533	533	0.02	< 0.005	—	534
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.85	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	232	232	< 0.005	< 0.005	0.52	233
Vendor	0.03	0.01	0.39	0.20	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	346	346	0.02	0.05	0.51	361
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.73	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	215	215	< 0.005	< 0.005	0.01	216
Vendor	0.03	0.01	0.41	0.21	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	346	346	0.02	0.05	0.01	361
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	51.9	51.9	< 0.005	< 0.005	0.05	52.2
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	82.5	82.5	< 0.005	0.01	0.05	86.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.60	8.60	< 0.005	< 0.005	0.01	8.64
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	0.01	14.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.58. 2-H-2-C (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.20	1.03	11.1	0.02	0.04	—	0.04	0.04	—	0.04	—	2,083	2,083	0.08	0.02	—	2,090
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.19	2.03	< 0.005	0.01	—	0.01	0.01	—	0.01	—	345	345	0.01	< 0.005	—	346
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.85	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	232	232	< 0.005	< 0.005	0.52	233
Vendor	0.03	0.01	0.39	0.20	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	346	346	0.02	0.05	0.51	361
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.73	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	215	215	< 0.005	< 0.005	0.01	216
Vendor	0.03	0.01	0.41	0.21	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	346	346	0.02	0.05	0.01	361
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	51.9	51.9	< 0.005	< 0.005	0.05	52.2
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	82.5	82.5	< 0.005	0.01	0.05	86.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.60	8.60	< 0.005	< 0.005	0.01	8.64
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	0.01	14.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.59. 2-H-2-C (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.70	4.76	46.9	63.0	0.13	1.00	—	1.00	0.92	—	0.92	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.70	4.76	46.9	63.0	0.13	1.00	—	1.00	0.92	—	0.92	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.08	3.41	33.6	45.1	0.10	0.71	—	0.71	0.66	—	0.66	—	9,650	9,650	0.39	0.08	—	9,683
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	0.62	6.13	8.23	0.02	0.13	—	0.13	0.12	—	0.12	—	1,598	1,598	0.06	0.01	—	1,603
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.81	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	229	229	< 0.005	< 0.005	0.46	230
Vendor	0.03	0.01	0.37	0.20	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	333	333	0.02	0.05	0.44	349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.05	0.69	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	212	212	< 0.005	< 0.005	0.01	213
Vendor	0.03	0.01	0.39	0.20	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	334	334	0.02	0.05	0.01	349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.49	0.00	0.00	0.72	0.72	0.00	0.18	0.18	—	154	154	< 0.005	< 0.005	0.14	154
Vendor	0.02	0.01	0.28	0.14	< 0.005	< 0.005	0.27	0.27	< 0.005	0.07	0.07	—	239	239	0.01	0.04	0.14	250
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	25.4	25.4	< 0.005	< 0.005	0.02	25.6
Vendor	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	39.6	39.6	< 0.005	0.01	0.02	41.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.60. 2-H-2-C (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.59	3.08	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,248	6,248	0.25	0.05	—	6,269
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.56	6.10	0.01	0.02	—	0.02	0.02	—	0.02	—	1,034	1,034	0.04	0.01	—	1,038
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.81	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	229	229	< 0.005	< 0.005	0.46	230
Vendor	0.03	0.01	0.37	0.20	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	333	333	0.02	0.05	0.44	349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.05	0.69	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	212	212	< 0.005	< 0.005	0.01	213
Vendor	0.03	0.01	0.39	0.20	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	334	334	0.02	0.05	0.01	349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.49	0.00	0.00	0.72	0.72	0.00	0.18	0.18	—	154	154	< 0.005	< 0.005	0.14	154
Vendor	0.02	0.01	0.28	0.14	< 0.005	< 0.005	0.27	0.27	< 0.005	0.07	0.07	—	239	239	0.01	0.04	0.14	250
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	25.4	25.4	< 0.005	< 0.005	0.02	25.6
Vendor	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	39.6	39.6	< 0.005	0.01	0.02	41.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.61. 2-H-2-C (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.57	4.65	45.7	62.9	0.13	0.89	—	0.89	0.82	—	0.82	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipmer	5.57 t	4.65	45.7	62.9	0.13	0.89	—	0.89	0.82	—	0.82	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	1.66	1.38	13.6	18.7	0.04	0.27	—	0.27	0.24	—	0.24	—	4,008	4,008	0.16	0.03	—	4,021
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.30	0.25	2.48	3.42	0.01	0.05	—	0.05	0.04	—	0.04	—	663	663	0.03	0.01	—	666
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.78	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	226	226	< 0.005	< 0.005	0.40	227
Vendor	0.03	0.01	0.36	0.19	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	322	322	0.02	0.05	0.37	337
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	210	210	< 0.005	< 0.005	0.01	210
Vendor	0.02	0.01	0.38	0.19	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	322	322	0.02	0.05	0.01	337
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	63.0	63.0	< 0.005	< 0.005	0.05	63.3
Vendor	0.01	< 0.005	0.11	0.06	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	95.8	95.8	< 0.005	0.01	0.05	100
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.4	10.4	< 0.005	< 0.005	0.01	10.5
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	15.9	15.9	< 0.005	< 0.005	0.01	16.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.62. 2-H-2-C (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.25	0.25	1.28	13.9	0.02	0.05	—	0.05	0.05	—	0.05	—	2,595	2,595	0.11	0.02	—	2,604
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.23	2.53	< 0.005	0.01	—	0.01	0.01	—	0.01	—	430	430	0.02	< 0.005	—	431
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.78	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	226	226	< 0.005	< 0.005	0.40	227
Vendor	0.03	0.01	0.36	0.19	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	322	322	0.02	0.05	0.37	337
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	210	210	< 0.005	< 0.005	0.01	210
Vendor	0.02	0.01	0.38	0.19	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	322	322	0.02	0.05	0.01	337
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	63.0	63.0	< 0.005	< 0.005	0.05	63.3
Vendor	0.01	< 0.005	0.11	0.06	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	95.8	95.8	< 0.005	0.01	0.05	100
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.4	10.4	< 0.005	< 0.005	0.01	10.5
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	15.9	15.9	< 0.005	< 0.005	0.01	16.6

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.63. 2-P (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.40	2.02	18.1	31.1	0.04	0.78	—	0.78	0.72	—	0.72	—	4,744	4,744	0.19	0.04	—	4,760
Architectural Coatings	1.63	1.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.40	2.02	18.1	31.1	0.04	0.78	—	0.78	0.72	—	0.72	—	4,744	4,744	0.19	0.04	—	4,760
Architectural Coatings	1.63	1.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.49	4.42	7.58	0.01	0.19	—	0.19	0.17	—	0.17	—	1,157	1,157	0.05	0.01	—	1,161
Architectural Coatings	0.40	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.81	1.38	< 0.005	0.03	—	0.03	0.03	—	0.03	—	191	191	0.01	< 0.005	—	192
Architectural Coatings	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.04	0.94	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	267	267	< 0.005	< 0.005	0.53	269
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.08	0.08	0.05	0.80	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	248	248	< 0.005	< 0.005	0.01	248
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	61.0	61.0	< 0.005	< 0.005	0.06	61.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.1	10.1	< 0.005	< 0.005	0.01	10.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.64. 2-P (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.46	3.52	33.2	0.04	0.09	—	0.09	0.09	—	0.09	—	4,744	4,744	0.19	0.04	—	4,760
Architectural Coatings	1.63	1.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.46	3.52	33.2	0.04	0.09	—	0.09	0.09	—	0.09	—	4,744	4,744	0.19	0.04	—	4,760
Architectural Coatings	1.63	1.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.86	8.09	0.01	0.02	—	0.02	0.02	—	0.02	—	1,157	1,157	0.05	0.01	—	1,161
Architectural Coatings	0.40	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	1.48	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	191	191	0.01	< 0.005	—	192
Architectural Coatings	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.04	0.94	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	267	267	< 0.005	< 0.005	0.53	269
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.05	0.80	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	248	248	< 0.005	< 0.005	0.01	248
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	61.0	61.0	< 0.005	< 0.005	0.06	61.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.1	10.1	< 0.005	< 0.005	0.01	10.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.65. 2-E-1 (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.22	1.02	16.6	18.7	0.03	0.11	—	0.11	0.10	—	0.10	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	19.2	19.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	1.00	1.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	202	202	0.01	< 0.005	—	202
Architectural Coatings	1.16	1.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.18	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	33.4	33.4	< 0.005	< 0.005	—	33.5
Architectural Coatings	0.21	0.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.08	1.15	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	354	354	0.01	< 0.005	0.02	355
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	21.7	21.7	< 0.005	< 0.005	0.02	21.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.59	3.59	< 0.005	< 0.005	< 0.005	3.61
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.66. 2-E-1 (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	8.53	8.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.52	0.52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.09	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.08	1.15	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	354	354	0.01	< 0.005	0.02	355
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	21.7	21.7	< 0.005	< 0.005	0.02	21.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.59	3.59	< 0.005	< 0.005	< 0.005	3.61
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.67. 2-E-1 (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.21	1.01	16.5	18.7	0.03	0.11	—	0.11	0.10	—	0.10	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	19.2	19.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.21	1.01	16.5	18.7	0.03	0.11	—	0.11	0.10	—	0.10	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	19.2	19.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	0.42	6.89	7.79	0.01	0.04	—	0.04	0.04	—	0.04	—	1,385	1,385	0.06	0.01	—	1,390
Architectural Coatings	8.00	8.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	1.26	1.42	< 0.005	0.01	—	0.01	0.01	—	0.01	—	229	229	0.01	< 0.005	—	230
Architectural Coatings	1.46	1.46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.06	1.30	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	377	377	< 0.005	< 0.005	0.66	379
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.08	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	349	349	0.01	< 0.005	0.02	350
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.45	0.00	0.00	0.70	0.70	0.00	0.17	0.17	—	147	147	< 0.005	< 0.005	0.12	148
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	24.4	24.4	< 0.005	< 0.005	0.02	24.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.68. 2-E-1 (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	8.53	8.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	8.53	8.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	3.55	3.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Architect Coatings	0.65	0.65	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.06	1.30	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	377	377	< 0.005	< 0.005	0.66	379
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.08	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	349	349	0.01	< 0.005	0.02	350
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.45	0.00	0.00	0.70	0.70	0.00	0.17	0.17	—	147	147	< 0.005	< 0.005	0.12	148
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	24.4	24.4	< 0.005	< 0.005	0.02	24.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.69. 2-E-2 (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.21	1.01	16.5	18.7	0.03	0.11	—	0.11	0.10	—	0.10	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	19.1	19.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.21	1.01	16.5	18.7	0.03	0.11	—	0.11	0.10	—	0.10	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	19.1	19.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	0.48	7.93	8.96	0.02	0.05	—	0.05	0.05	—	0.05	—	1,593	1,593	0.06	0.01	—	1,599
Architectural Coatings	9.15	9.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	1.45	1.63	< 0.005	0.01	—	0.01	0.01	—	0.01	—	264	264	0.01	< 0.005	—	265
Architectural Coatings	1.67	1.67	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.06	1.30	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	377	377	< 0.005	< 0.005	0.66	379
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.08	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	349	349	0.01	< 0.005	0.02	350
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.52	0.00	0.00	0.80	0.80	0.00	0.20	0.20	—	169	169	< 0.005	< 0.005	0.14	170
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	28.0	28.0	< 0.005	< 0.005	0.02	28.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.70. 2-E-2 (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	8.48	8.48	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	8.48	8.48	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Architect Coatings	4.06	4.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.74	0.74	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.06	1.30	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	377	377	< 0.005	< 0.005	0.66	379
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.08	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	349	349	0.01	< 0.005	0.02	350
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.52	0.00	0.00	0.80	0.80	0.00	0.20	0.20	—	169	169	< 0.005	< 0.005	0.14	170
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	28.0	28.0	< 0.005	< 0.005	0.02	28.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.71. 2-G (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.21	1.01	16.5	18.7	0.03	0.11	—	0.11	0.10	—	0.10	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	5.96	5.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.21	1.01	16.5	18.7	0.03	0.11	—	0.11	0.10	—	0.10	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	5.96	5.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	0.48	7.93	8.96	0.02	0.05	—	0.05	0.05	—	0.05	—	1,593	1,593	0.06	0.01	—	1,599
Architectural Coatings	2.86	2.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	1.45	1.63	< 0.005	0.01	—	0.01	0.01	—	0.01	—	264	264	0.01	< 0.005	—	265
Architectural Coatings	0.52	0.52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.06	1.30	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	377	377	< 0.005	< 0.005	0.66	379
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.08	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	349	349	0.01	< 0.005	0.02	350
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.52	0.00	0.00	0.80	0.80	0.00	0.20	0.20	—	169	169	< 0.005	< 0.005	0.14	170
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	28.0	28.0	< 0.005	< 0.005	0.02	28.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.72. 2-G (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	2.65	2.65	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	2.65	2.65	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	1.27	1.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.23	0.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.06	1.30	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	377	377	< 0.005	< 0.005	0.66	379

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.08	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	349	349	0.01	< 0.005	0.02	350
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.52	0.00	0.00	0.80	0.80	0.00	0.20	0.20	—	169	169	< 0.005	< 0.005	0.14	170
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	28.0	28.0	< 0.005	< 0.005	0.02	28.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.73. 2-I (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.86	0.72	10.8	12.5	0.02	0.07	—	0.07	0.07	—	0.07	—	2,143	2,143	0.09	0.02	—	2,150

Architectural Coatings	4.20	4.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.86	0.72	10.8	12.5	0.02	0.07	—	0.07	0.07	—	0.07	—	2,143	2,143	0.09	0.02	—	2,150
Architectural Coatings	4.20	4.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.17	2.57	2.98	0.01	0.02	—	0.02	0.02	—	0.02	—	511	511	0.02	< 0.005	—	512
Architectural Coatings	1.00	1.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.47	0.54	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	84.5	84.5	< 0.005	< 0.005	—	84.8

Architectural Coating	0.18	0.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.06	1.30	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	377	377	< 0.005	< 0.005	0.66	379
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.08	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	349	349	0.01	< 0.005	0.02	350
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.26	0.00	0.00	0.40	0.40	0.00	0.10	0.10	—	84.2	84.2	< 0.005	< 0.005	0.07	84.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	13.9	13.9	< 0.005	< 0.005	0.01	14.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.74. 2-I (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	1.87	1.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	1.87	1.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.44	0.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.08	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.06	1.30	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	377	377	< 0.005	< 0.005	0.66	379
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.08	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	349	349	0.01	< 0.005	0.02	350
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.26	0.00	0.00	0.40	0.40	0.00	0.10	0.10	—	84.2	84.2	< 0.005	< 0.005	0.07	84.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	13.9	13.9	< 0.005	< 0.005	0.01	14.0

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.75. 2-D-1-B (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.91	2.42	20.5	20.1	0.04	0.70	—	0.70	0.65	—	0.65	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	0.44	3.71	3.63	0.01	0.13	—	0.13	0.12	—	0.12	—	627	627	0.03	0.01	—	629
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.68	0.66	< 0.005	0.02	—	0.02	0.02	—	0.02	—	104	104	< 0.005	< 0.005	—	104
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.51	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	145	145	< 0.005	0.01	0.01	147
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	26.6	26.6	< 0.005	< 0.005	0.03	26.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.40	4.40	< 0.005	< 0.005	0.01	4.42
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.76. 2-D-1-B (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	2.39	2.00	17.2	20.4	0.04	0.60	—	0.60	0.55	—	0.55	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	0.36	3.11	3.70	0.01	0.11	—	0.11	0.10	—	0.10	—	627	627	0.03	0.01	—	629
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.57	0.67	< 0.005	0.02	—	0.02	0.02	—	0.02	—	104	104	< 0.005	< 0.005	—	104
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.51	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	145	145	< 0.005	0.01	0.01	147
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	26.6	26.6	< 0.005	< 0.005	0.03	26.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.40	4.40	< 0.005	< 0.005	0.01	4.42
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.77. 2-D-2-B (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.88	2.39	20.4	20.1	0.04	0.68	—	0.68	0.63	—	0.63	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.88	2.39	20.4	20.1	0.04	0.68	—	0.68	0.63	—	0.63	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	0.41	3.52	3.46	0.01	0.12	—	0.12	0.11	—	0.11	—	599	599	0.02	< 0.005	—	601

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.64	0.63	< 0.005	0.02	—	0.02	0.02	—	0.02	—	99.1	99.1	< 0.005	< 0.005	—	99.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.57	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	155	155	< 0.005	< 0.005	0.35	156
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.49	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	143	143	< 0.005	< 0.005	0.01	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	25.0	25.0	< 0.005	< 0.005	0.03	25.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.15	4.15	< 0.005	< 0.005	< 0.005	4.16
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.78. 2-D-2-B (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.39	2.00	17.2	20.4	0.04	0.60	—	0.60	0.55	—	0.55	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.39	2.00	17.2	20.4	0.04	0.60	—	0.60	0.55	—	0.55	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	0.35	2.96	3.53	0.01	0.10	—	0.10	0.09	—	0.09	—	599	599	0.02	< 0.005	—	601
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.54	0.64	< 0.005	0.02	—	0.02	0.02	—	0.02	—	99.1	99.1	< 0.005	< 0.005	—	99.5

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.57	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	155	155	< 0.005	< 0.005	0.35	156
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.49	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	143	143	< 0.005	< 0.005	0.01	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	25.0	25.0	< 0.005	< 0.005	0.03	25.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.15	4.15	< 0.005	< 0.005	< 0.005	4.16
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.79. 2-F-1-B (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.88	2.39	20.4	20.1	0.04	0.68	—	0.68	0.63	—	0.63	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.88	2.39	20.4	20.1	0.04	0.68	—	0.68	0.63	—	0.63	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	0.41	3.52	3.46	0.01	0.12	—	0.12	0.11	—	0.11	—	599	599	0.02	< 0.005	—	601
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.64	0.63	< 0.005	0.02	—	0.02	0.02	—	0.02	—	99.1	99.1	< 0.005	< 0.005	—	99.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.05	0.05	0.03	0.57	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	155	155	< 0.005	< 0.005	0.35	156
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.49	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	143	143	< 0.005	< 0.005	0.01	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	25.0	25.0	< 0.005	< 0.005	0.03	25.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.15	4.15	< 0.005	< 0.005	< 0.005	4.16
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.80. 2-F-1-B (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.39	2.00	17.2	20.4	0.04	0.60	—	0.60	0.55	—	0.55	—	3,469	3,469	0.14	0.03	—	3,481

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.39	2.00	17.2	20.4	0.04	0.60	—	0.60	0.55	—	0.55	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	0.35	2.96	3.53	0.01	0.10	—	0.10	0.09	—	0.09	—	599	599	0.02	< 0.005	—	601
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.54	0.64	< 0.005	0.02	—	0.02	0.02	—	0.02	—	99.1	99.1	< 0.005	< 0.005	—	99.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.57	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	155	155	< 0.005	< 0.005	0.35	156
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.05	0.05	0.04	0.49	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	143	143	< 0.005	< 0.005	0.01	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	25.0	25.0	< 0.005	< 0.005	0.03	25.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.15	4.15	< 0.005	< 0.005	< 0.005	4.16
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.81. 2-H-1-B (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.88	2.39	20.4	20.1	0.04	0.68	—	0.68	0.63	—	0.63	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.51	0.43	3.63	3.57	0.01	0.12	—	0.12	0.11	—	0.11	—	618	618	0.03	0.01	—	620
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.66	0.65	< 0.005	0.02	—	0.02	0.02	—	0.02	—	102	102	< 0.005	< 0.005	—	103
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.28	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	77.4	77.4	< 0.005	< 0.005	0.17	77.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	12.9	12.9	< 0.005	< 0.005	0.01	13.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.14	2.14	< 0.005	< 0.005	< 0.005	2.15
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.82. 2-H-1-B (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.45	2.05	17.3	20.5	0.04	0.61	—	0.61	0.56	—	0.56	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.37	3.08	3.64	0.01	0.11	—	0.11	0.10	—	0.10	—	618	618	0.03	0.01	—	620
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.56	0.66	< 0.005	0.02	—	0.02	0.02	—	0.02	—	102	102	< 0.005	< 0.005	—	103
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.28	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	77.4	77.4	< 0.005	< 0.005	0.17	77.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	12.9	12.9	< 0.005	< 0.005	0.01	13.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.14	2.14	< 0.005	< 0.005	< 0.005	2.15
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.83. 2-H-2-B (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.88	2.39	20.4	20.1	0.04	0.68	—	0.68	0.63	—	0.63	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.51	0.43	3.63	3.57	0.01	0.12	—	0.12	0.11	—	0.11	—	618	618	0.03	0.01	—	620
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.66	0.65	< 0.005	0.02	—	0.02	0.02	—	0.02	—	102	102	< 0.005	< 0.005	—	103
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.28	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	77.4	77.4	< 0.005	< 0.005	0.17	77.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	12.9	12.9	< 0.005	< 0.005	0.01	13.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.14	2.14	< 0.005	< 0.005	< 0.005	2.15
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.84. 2-H-2-B (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.39	2.00	17.2	20.4	0.04	0.60	—	0.60	0.55	—	0.55	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	0.36	3.06	3.64	0.01	0.11	—	0.11	0.10	—	0.10	—	618	618	0.03	0.01	—	620
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.56	0.66	< 0.005	0.02	—	0.02	0.02	—	0.02	—	102	102	< 0.005	< 0.005	—	103
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.28	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	77.4	77.4	< 0.005	< 0.005	0.17	77.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	12.9	12.9	< 0.005	< 0.005	0.01	13.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.14	2.14	< 0.005	< 0.005	< 0.005	2.15
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.85. 2-J (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.26	1.90	16.8	27.1	0.04	0.75	—	0.75	0.69	—	0.69	—	4,113	4,113	0.17	0.03	—	4,127
Demolition	—	—	—	—	—	—	1.48	1.48	—	0.22	0.22	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.34	2.99	4.83	0.01	0.13	—	0.13	0.12	—	0.12	—	732	732	0.03	0.01	—	735
Demolition	—	—	—	—	—	—	0.26	0.26	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.55	0.88	< 0.005	0.02	—	0.02	0.02	—	0.02	—	121	121	< 0.005	< 0.005	—	122
Demolition	—	—	—	—	—	—	0.05	0.05	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.89	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	235	235	< 0.005	< 0.005	0.59	237
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	0.02	1.54	0.77	0.01	0.02	1.34	1.36	0.02	0.34	0.36	—	1,341	1,341	0.10	0.21	2.16	1,409
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	39.3	39.3	< 0.005	< 0.005	0.05	39.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.28	0.14	< 0.005	< 0.005	0.23	0.24	< 0.005	0.06	0.06	—	239	239	0.02	0.04	0.17	251

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.50	6.50	< 0.005	< 0.005	0.01	6.53
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	39.6	39.6	< 0.005	0.01	0.03	41.5

3.86. 2-J (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Demolition	—	—	—	—	—	—	0.95	0.95	—	0.14	0.14	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.57	5.12	0.01	0.01	—	0.01	0.01	—	0.01	—	732	732	0.03	0.01	—	735
Demolition	—	—	—	—	—	—	0.17	0.17	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.01	0.10	0.93	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	121	121	< 0.005	< 0.005	—	122
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.89	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	235	235	< 0.005	< 0.005	0.59	237
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	0.02	1.54	0.77	0.01	0.02	1.34	1.36	0.02	0.34	0.36	—	1,341	1,341	0.10	0.21	2.16	1,409
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	39.3	39.3	< 0.005	< 0.005	0.05	39.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.28	0.14	< 0.005	< 0.005	0.23	0.24	< 0.005	0.06	0.06	—	239	239	0.02	0.04	0.17	251
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.50	6.50	< 0.005	< 0.005	0.01	6.53
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	39.6	39.6	< 0.005	0.01	0.03	41.5

3.87. 2-K (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.26	1.90	16.8	27.1	0.04	0.75	—	0.75	0.69	—	0.69	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.26	1.90	16.8	27.1	0.04	0.75	—	0.75	0.69	—	0.69	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.68	0.57	5.03	8.11	0.01	0.23	—	0.23	0.21	—	0.21	—	1,231	1,231	0.05	0.01	—	1,236
Dust From Material Movemer	—	—	—	—	—	—	0.95	0.95	—	0.10	0.10	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.92	1.48	< 0.005	0.04	—	0.04	0.04	—	0.04	—	204	204	0.01	< 0.005	—	205
Dust From Material Movemer	—	—	—	—	—	—	0.17	0.17	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.89	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	235	235	< 0.005	< 0.005	0.59	237
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	23.9	23.9	< 0.005	< 0.005	0.04	25.0
Hauling	0.02	< 0.005	0.30	0.15	< 0.005	< 0.005	0.26	0.27	< 0.005	0.07	0.07	—	266	266	0.02	0.04	0.43	279
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.77	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	218	218	< 0.005	0.01	0.02	221
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	23.9	23.9	< 0.005	< 0.005	< 0.005	24.9
Hauling	0.02	< 0.005	0.32	0.15	< 0.005	< 0.005	0.26	0.27	< 0.005	0.07	0.07	—	266	266	0.02	0.04	0.01	279
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	66.0	66.0	< 0.005	< 0.005	0.08	66.3
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	7.15	7.15	< 0.005	< 0.005	0.01	7.47
Hauling	0.01	< 0.005	0.09	0.05	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	79.6	79.6	0.01	0.01	0.06	83.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.9	10.9	< 0.005	< 0.005	0.01	11.0
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.18	1.18	< 0.005	< 0.005	< 0.005	1.24
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.2	13.2	< 0.005	< 0.005	0.01	13.8

3.88. 2-K (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.12	0.96	8.60	0.01	0.02	—	0.02	0.02	—	0.02	—	1,231	1,231	0.05	0.01	—	1,236

Dust From Material Movemer	—	—	—	—	—	—	0.37	0.37	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.18	1.57	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	204	204	0.01	< 0.005	—	205
Dust From Material Movemer	—	—	—	—	—	—	0.07	0.07	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.89	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	235	235	< 0.005	< 0.005	0.59	237
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	23.9	23.9	< 0.005	< 0.005	0.04	25.0
Hauling	0.02	< 0.005	0.30	0.15	< 0.005	< 0.005	0.26	0.27	< 0.005	0.07	0.07	—	266	266	0.02	0.04	0.43	279
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.77	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	218	218	< 0.005	0.01	0.02	221
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	23.9	23.9	< 0.005	< 0.005	< 0.005	24.9
Hauling	0.02	< 0.005	0.32	0.15	< 0.005	< 0.005	0.26	0.27	< 0.005	0.07	0.07	—	266	266	0.02	0.04	0.01	279
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	66.0	66.0	< 0.005	< 0.005	0.08	66.3
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	7.15	7.15	< 0.005	< 0.005	0.01	7.47

Hauling	0.01	< 0.005	0.09	0.05	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	79.6	79.6	0.01	0.01	0.06	83.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.9	10.9	< 0.005	< 0.005	0.01	11.0
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.18	1.18	< 0.005	< 0.005	< 0.005	1.24
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.2	13.2	< 0.005	< 0.005	0.01	13.8

3.89. 2-K (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.20	1.85	16.3	27.0	0.04	0.72	—	0.72	0.67	—	0.67	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.02	1.69	< 0.005	0.05	—	0.05	0.04	—	0.04	—	258	258	0.01	< 0.005	—	258

Dust From Material Movemer	—	—	—	—	—	—	0.20	0.20	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.19	0.31	< 0.005	0.01	—	0.01	0.01	—	0.01	—	42.6	42.6	< 0.005	< 0.005	—	42.8
Dust From Material Movemer	—	—	—	—	—	—	0.04	0.04	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.73	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	215	215	< 0.005	< 0.005	0.01	216
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	23.1	23.1	< 0.005	< 0.005	< 0.005	24.1
Hauling	0.02	< 0.005	0.31	0.15	< 0.005	< 0.005	0.26	0.27	< 0.005	0.07	0.07	—	258	258	0.02	0.04	0.01	271
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.06	0.06	0.00	0.02	0.02	—	13.6	13.6	< 0.005	< 0.005	0.01	13.7
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.44	1.44	< 0.005	< 0.005	< 0.005	1.51
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	16.1	16.1	< 0.005	< 0.005	0.01	17.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.26	2.26	< 0.005	< 0.005	< 0.005	2.27

Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.24	0.24	< 0.005	< 0.005	< 0.005	0.25
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.67	2.67	< 0.005	< 0.005	< 0.005	2.81

3.90. 2-K (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.20	1.80	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	258	258	0.01	< 0.005	—	258
Dust From Material Movemer	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.33	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	42.6	42.6	< 0.005	< 0.005	—	42.8
Dust From Material Movemer	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.73	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	215	215	< 0.005	< 0.005	0.01	216
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	23.1	23.1	< 0.005	< 0.005	< 0.005	24.1
Hauling	0.02	< 0.005	0.31	0.15	< 0.005	< 0.005	0.26	0.27	< 0.005	0.07	0.07	—	258	258	0.02	0.04	0.01	271
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.06	0.06	0.00	0.02	0.02	—	13.6	13.6	< 0.005	< 0.005	0.01	13.7
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.44	1.44	< 0.005	< 0.005	< 0.005	1.51
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	16.1	16.1	< 0.005	< 0.005	0.01	17.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.26	2.26	< 0.005	< 0.005	< 0.005	2.27
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.24	0.24	< 0.005	< 0.005	< 0.005	0.25
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.67	2.67	< 0.005	< 0.005	< 0.005	2.81

3.91. 2-L (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.20	1.85	16.3	27.0	0.04	0.72	—	0.72	0.67	—	0.67	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.19	3.19	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.20	1.85	16.3	27.0	0.04	0.72	—	0.72	0.67	—	0.67	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.19	3.19	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.66	5.80	9.63	0.01	0.26	—	0.26	0.24	—	0.24	—	1,465	1,465	0.06	0.01	—	1,470

Dust From Material Movemer	—	—	—	—	—	—	1.13	1.13	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.06	1.76	< 0.005	0.05	—	0.05	0.04	—	0.04	—	243	243	0.01	< 0.005	—	243
Dust From Material Movemer	—	—	—	—	—	—	0.21	0.21	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.85	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	232	232	< 0.005	< 0.005	0.52	233
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.01	0.86	0.43	0.01	0.01	0.77	0.78	0.01	0.20	0.21	—	748	748	0.05	0.12	1.12	787
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.73	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	215	215	< 0.005	< 0.005	0.01	216
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.01	0.91	0.43	0.01	0.01	0.77	0.78	0.01	0.20	0.21	—	749	749	0.05	0.12	0.03	786
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.26	0.00	0.00	0.36	0.36	0.00	0.09	0.09	—	77.5	77.5	< 0.005	< 0.005	0.08	77.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.02	< 0.005	0.32	0.15	< 0.005	< 0.005	0.27	0.27	< 0.005	0.07	0.07	—	267	267	0.02	0.04	0.17	280
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	12.8	12.8	< 0.005	< 0.005	0.01	12.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	44.1	44.1	< 0.005	0.01	0.03	46.4

3.92. 2-L (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.14	1.14	10.2	0.01	0.03	—	0.03	0.03	—	0.03	—	1,465	1,465	0.06	0.01	—	1,470
Dust From Material Movemer	—	—	—	—	—	—	0.44	0.44	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.21	1.87	< 0.005	0.01	—	0.01	0.01	—	0.01	—	243	243	0.01	< 0.005	—	243
Dust From Material Movemer	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.85	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	232	232	< 0.005	< 0.005	0.52	233
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.01	0.86	0.43	0.01	0.01	0.77	0.78	0.01	0.20	0.21	—	748	748	0.05	0.12	1.12	787
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.73	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	215	215	< 0.005	< 0.005	0.01	216

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.01	0.91	0.43	0.01	0.01	0.77	0.78	0.01	0.20	0.21	—	749	749	0.05	0.12	0.03	786
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.26	0.00	0.00	0.36	0.36	0.00	0.09	0.09	—	77.5	77.5	< 0.005	< 0.005	0.08	77.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.32	0.15	< 0.005	< 0.005	0.27	0.27	< 0.005	0.07	0.07	—	267	267	0.02	0.04	0.17	280
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	12.8	12.8	< 0.005	< 0.005	0.01	12.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	44.1	44.1	< 0.005	0.01	0.03	46.4

3.93. 2-M (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.48	2.08	18.8	31.1	0.04	0.82	—	0.82	0.76	—	0.76	—	4,744	4,744	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.48	2.08	18.8	31.1	0.04	0.82	—	0.82	0.76	—	0.76	—	4,744	4,744	0.19	0.04	—	4,760

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.50	4.48	7.42	0.01	0.20	—	0.20	0.18	—	0.18	—	1,131	1,131	0.05	0.01	—	1,135
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.82	1.35	< 0.005	0.04	—	0.04	0.03	—	0.03	—	187	187	0.01	< 0.005	—	188
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.05	1.00	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	271	271	< 0.005	< 0.005	0.61	272
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.06	0.85	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	251	251	0.01	< 0.005	0.02	252
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.20	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	60.5	60.5	< 0.005	< 0.005	0.06	60.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.0	10.0	< 0.005	< 0.005	0.01	10.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.94. 2-M (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.46	3.52	33.2	0.04	0.09	—	0.09	0.09	—	0.09	—	4,744	4,744	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.46	3.52	33.2	0.04	0.09	—	0.09	0.09	—	0.09	—	4,744	4,744	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.84	7.91	0.01	0.02	—	0.02	0.02	—	0.02	—	1,131	1,131	0.05	0.01	—	1,135

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	1.44	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	187	187	0.01	< 0.005	—	188
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.05	1.00	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	271	271	< 0.005	< 0.005	0.61	272
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.06	0.85	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	251	251	0.01	< 0.005	0.02	252
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.20	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	60.5	60.5	< 0.005	< 0.005	0.06	60.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.0	10.0	< 0.005	< 0.005	0.01	10.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
2-C	Demolition	6/1/2030	9/1/2030	5.00	65.0	—
2-A	Site Preparation	6/1/2030	9/1/2030	5.00	65.0	—
2-O	Site Preparation	2/1/2032	6/1/2032	5.00	87.0	—
2-B	Grading	9/1/2030	6/1/2031	5.00	195	—
2-N	Grading	12/1/2031	2/1/2032	5.00	45.0	—
2-D-1-A	Building Construction	10/1/2030	12/31/2030	5.00	66.0	—
2-D-1-C	Building Construction	1/1/2031	2/1/2033	5.00	545	—
2-D-2-A	Building Construction	2/1/2031	4/30/2031	5.00	63.0	—
2-D-2-C	Building Construction	5/1/2031	6/1/2033	5.00	545	—
2-Q	Building Construction	6/1/2030	12/1/2033	5.00	914	—
2-F-1-A	Building Construction	2/1/2031	4/30/2031	5.00	63.0	—
2-F-1-C	Building Construction	5/1/2031	6/1/2033	5.00	545	—
2-H-1-A	Building Construction	6/1/2031	8/31/2031	5.00	65.0	—
2-H-1-C	Building Construction	9/1/2031	6/1/2033	5.00	458	—
2-H-2-A	Building Construction	6/1/2031	8/31/2031	5.00	65.0	—
2-H-2-C	Building Construction	9/1/2031	6/1/2033	5.00	458	—
2-P	Paving	6/1/2032	10/1/2032	5.00	89.0	—
2-E-1	Architectural Coating	12/1/2032	8/1/2033	5.00	174	—
2-E-2	Architectural Coating	4/1/2033	12/1/2033	5.00	175	—
2-G	Architectural Coating	4/1/2033	12/1/2033	5.00	175	—
2-I	Architectural Coating	2/1/2033	6/1/2033	5.00	87.0	—
2-D-1-B	Trenching	10/1/2030	12/31/2030	5.00	66.0	—
2-D-2-B	Trenching	2/1/2031	4/30/2031	5.00	63.0	—
2-F-1-B	Trenching	2/1/2031	4/30/2031	5.00	63.0	—

2-H-1-B	Trenching	6/1/2031	8/31/2031	5.00	65.0	—
2-H-2-B	Trenching	6/1/2031	8/31/2031	5.00	65.0	—
2-J	Linear, Grubbing & Land Clearing	6/1/2030	9/1/2030	5.00	65.0	—
2-K	Linear, Grading & Excavation	8/1/2030	2/1/2031	5.00	132	—
2-L	Linear, Drainage, Utilities, & Sub-Grade	2/1/2031	8/1/2031	5.00	130	—
2-M	Linear, Paving	8/1/2031	12/1/2031	5.00	87.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
2-C	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
2-C	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
2-C	Concrete/Industrial Saws	Diesel	Average	4.00	4.00	33.0	0.73
2-C	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
2-A	Excavators	Diesel	Average	8.00	8.00	36.0	0.38
2-A	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
2-O	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
2-O	Graders	Diesel	Average	2.00	8.00	148	0.41
2-O	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
2-O	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
2-O	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
2-B	Excavators	Diesel	Average	8.00	8.00	36.0	0.38
2-B	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43

2-N	Graders	Diesel	Average	2.00	8.00	148	0.41
2-N	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
2-N	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
2-N	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
2-N	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
2-D-1-C	Cranes	Diesel	Average	7.00	8.00	367	0.29
2-D-1-C	Welders	Diesel	Average	12.0	8.00	46.0	0.45
2-D-1-C	Aerial Lifts	Diesel	Average	18.0	6.00	46.0	0.31
2-D-1-C	Air Compressors	Diesel	Average	6.00	2.00	37.0	0.48
2-D-1-C	Rough Terrain Forklifts	Diesel	Average	10.0	4.00	96.0	0.40
2-D-2-C	Cranes	Diesel	Average	7.00	8.00	367	0.29
2-D-2-C	Welders	Diesel	Average	12.0	8.00	46.0	0.45
2-D-2-C	Aerial Lifts	Diesel	Average	18.0	6.00	46.0	0.31
2-D-2-C	Air Compressors	Diesel	Average	6.00	2.00	37.0	0.48
2-D-2-C	Rough Terrain Forklifts	Diesel	Average	10.0	4.00	96.0	0.40
2-F-1-C	Cranes	Diesel	Average	7.00	8.00	367	0.29
2-F-1-C	Aerial Lifts	Diesel	Average	18.0	6.00	46.0	0.31
2-F-1-C	Welders	Diesel	Average	12.0	8.00	46.0	0.45
2-F-1-C	Air Compressors	Diesel	Average	6.00	2.00	37.0	0.48
2-F-1-C	Rough Terrain Forklifts	Diesel	Average	10.0	4.00	96.0	0.40
2-H-1-C	Cranes	Diesel	Average	7.00	8.00	367	0.29
2-H-1-C	Aerial Lifts	Diesel	Average	18.0	6.00	46.0	0.31
2-H-1-C	Welders	Diesel	Average	12.0	8.00	46.0	0.45
2-H-1-C	Air Compressors	Diesel	Average	6.00	2.00	37.0	0.48
2-H-1-C	Rough Terrain Forklifts	Diesel	Average	10.0	4.00	96.0	0.40
2-H-2-C	Cranes	Diesel	Average	7.00	8.00	367	0.29
2-H-2-C	Aerial Lifts	Diesel	Average	18.0	6.00	46.0	0.31
2-H-2-C	Welders	Diesel	Average	12.0	8.00	46.0	0.45

2-H-2-C	Air Compressors	Diesel	Average	6.00	2.00	37.0	0.48
2-H-2-C	Rough Terrain Forklifts	Diesel	Average	10.0	4.00	96.0	0.40
2-P	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
2-P	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
2-P	Graders	Diesel	Average	2.00	8.00	148	0.41
2-P	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
2-P	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
2-P	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
2-E-1	Air Compressors	Diesel	Average	5.00	4.00	37.0	0.48
2-E-1	Aerial Lifts	Diesel	Average	13.0	12.0	46.0	0.31
2-E-2	Air Compressors	Diesel	Average	5.00	4.00	37.0	0.48
2-E-2	Aerial Lifts	Diesel	Average	13.0	12.0	46.0	0.31
2-G	Air Compressors	Diesel	Average	5.00	4.00	37.0	0.48
2-G	Aerial Lifts	Diesel	Average	13.0	12.0	46.0	0.31
2-I	Air Compressors	Diesel	Average	5.00	4.00	37.0	0.48
2-I	Aerial Lifts	Diesel	Average	23.0	4.00	46.0	0.31
2-D-1-B	Tractors/Loaders/Back hoes	Diesel	Average	6.00	5.00	84.0	0.37
2-D-1-B	Excavators	Diesel	Average	6.00	4.00	36.0	0.38
2-D-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
2-D-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
2-D-2-B	Tractors/Loaders/Back hoes	Diesel	Average	6.00	5.00	84.0	0.37
2-D-2-B	Excavators	Diesel	Average	6.00	4.00	36.0	0.38
2-D-2-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
2-D-2-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
2-F-1-B	Tractors/Loaders/Back hoes	Diesel	Average	6.00	5.00	84.0	0.37
2-F-1-B	Excavators	Diesel	Average	6.00	4.00	36.0	0.38

2-F-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
2-F-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
2-H-1-B	Tractors/Loaders/Back hoes	Diesel	Average	6.00	5.00	84.0	0.37
2-H-1-B	Excavators	Diesel	Average	6.00	4.00	36.0	0.38
2-H-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
2-H-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
2-H-2-B	Tractors/Loaders/Back hoes	Diesel	Average	6.00	5.00	84.0	0.37
2-H-2-B	Excavators	Diesel	Average	6.00	4.00	36.0	0.38
2-H-2-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
2-H-2-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
2-J	Graders	Diesel	Average	2.00	8.00	148	0.41
2-J	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
2-J	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
2-J	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
2-J	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
2-K	Graders	Diesel	Average	2.00	8.00	148	0.41
2-K	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
2-K	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
2-K	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
2-K	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
2-L	Graders	Diesel	Average	2.00	8.00	148	0.41
2-L	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
2-L	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
2-L	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
2-L	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40

2-M	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
2-M	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
2-M	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
2-M	Graders	Diesel	Average	2.00	8.00	148	0.41
2-M	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
2-M	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
2-C	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
2-C	Excavators	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
2-C	Concrete/Industrial Saws	Diesel	Tier 4 Final	4.00	4.00	33.0	0.73
2-C	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
2-A	Excavators	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
2-A	Excavators	Electric	Average	4.00	8.00	36.0	0.38
2-A	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
2-O	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
2-O	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
2-O	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
2-O	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
2-O	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
2-B	Excavators	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
2-B	Excavators	Electric	Average	4.00	8.00	36.0	0.38
2-B	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
2-N	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41

2-N	Tractors/Loaders/Back	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
2-N	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
2-N	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
2-N	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
2-D-1-C	Cranes	Diesel	Tier 4 Final	7.00	8.00	367	0.29
2-D-1-C	Welders	Electric	Average	12.0	8.00	46.0	0.45
2-D-1-C	Aerial Lifts	Electric	Average	18.0	6.00	46.0	0.31
2-D-1-C	Air Compressors	Electric	Average	6.00	2.00	37.0	0.48
2-D-1-C	Rough Terrain Forklifts	Diesel	Tier 4 Final	10.0	4.00	96.0	0.40
2-D-2-C	Cranes	Diesel	Tier 4 Final	7.00	8.00	367	0.29
2-D-2-C	Welders	Electric	Average	12.0	8.00	46.0	0.45
2-D-2-C	Aerial Lifts	Electric	Average	18.0	6.00	46.0	0.31
2-D-2-C	Air Compressors	Electric	Average	6.00	2.00	37.0	0.48
2-D-2-C	Rough Terrain Forklifts	Diesel	Tier 4 Final	10.0	4.00	96.0	0.40
2-F-1-C	Cranes	Diesel	Tier 4 Final	7.00	8.00	367	0.29
2-F-1-C	Aerial Lifts	Electric	Average	18.0	6.00	46.0	0.31
2-F-1-C	Welders	Electric	Average	12.0	8.00	46.0	0.45
2-F-1-C	Air Compressors	Electric	Average	6.00	2.00	37.0	0.48
2-F-1-C	Rough Terrain Forklifts	Diesel	Tier 4 Final	10.0	4.00	96.0	0.40
2-H-1-C	Cranes	Diesel	Tier 4 Final	7.00	8.00	367	0.29
2-H-1-C	Aerial Lifts	Electric	Average	18.0	6.00	46.0	0.31
2-H-1-C	Welders	Electric	Average	12.0	8.00	46.0	0.45
2-H-1-C	Air Compressors	Electric	Average	6.00	2.00	37.0	0.48
2-H-1-C	Rough Terrain Forklifts	Diesel	Tier 4 Final	10.0	4.00	96.0	0.40
2-H-2-C	Cranes	Diesel	Tier 4 Final	7.00	8.00	367	0.29
2-H-2-C	Aerial Lifts	Electric	Average	18.0	6.00	46.0	0.31
2-H-2-C	Welders	Electric	Average	12.0	8.00	46.0	0.45
2-H-2-C	Air Compressors	Electric	Average	6.00	2.00	37.0	0.48

2-H-2-C	Rough Terrain Forklifts	Diesel	Tier 4 Final	10.0	4.00	96.0	0.40
2-P	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
2-P	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
2-P	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
2-P	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
2-P	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
2-P	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
2-E-1	Air Compressors	Electric	Average	5.00	4.00	37.0	0.48
2-E-1	Aerial Lifts	Electric	Average	13.0	12.0	46.0	0.31
2-E-2	Air Compressors	Electric	Average	5.00	4.00	37.0	0.48
2-E-2	Aerial Lifts	Electric	Average	13.0	12.0	46.0	0.31
2-G	Air Compressors	Electric	Average	5.00	4.00	37.0	0.48
2-G	Aerial Lifts	Electric	Average	13.0	12.0	46.0	0.31
2-I	Air Compressors	Electric	Average	5.00	4.00	37.0	0.48
2-I	Aerial Lifts	Electric	Average	23.0	4.00	46.0	0.31
2-D-1-B	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	6.00	5.00	84.0	0.37
2-D-1-B	Excavators	Diesel	Tier 4 Final	6.00	4.00	36.0	0.38
2-D-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
2-D-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
2-D-2-B	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	6.00	5.00	84.0	0.37
2-D-2-B	Excavators	Diesel	Tier 4 Final	6.00	4.00	36.0	0.38
2-D-2-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
2-D-2-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
2-F-1-B	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	6.00	5.00	84.0	0.37
2-F-1-B	Excavators	Diesel	Tier 4 Final	6.00	4.00	36.0	0.38
2-F-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74

2-F-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
2-H-1-B	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	6.00	5.00	84.0	0.37
2-H-1-B	Excavators	Diesel	Average	2.00	4.00	36.0	0.38
2-H-1-B	Excavators	Diesel	Tier 4 Final	4.00	4.00	36.0	0.38
2-H-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
2-H-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
2-H-2-B	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	6.00	5.00	84.0	0.37
2-H-2-B	Excavators	Diesel	Tier 4 Final	6.00	4.00	36.0	0.38
2-H-2-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
2-H-2-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
2-J	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
2-J	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
2-J	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
2-J	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
2-J	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
2-K	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
2-K	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
2-K	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
2-K	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
2-K	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
2-L	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
2-L	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
2-L	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
2-L	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
2-L	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40

2-M	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
2-M	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
2-M	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
2-M	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
2-M	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
2-M	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
2-C	—	—	—	—
2-C	Worker	20.0	11.7	LDA,LDT1,LDT2
2-C	Vendor	0.00	8.40	HHDT,MHDT
2-C	Hauling	50.0	25.0	HHDT
2-C	Onsite truck	0.00	0.00	HHDT
2-A	—	—	—	—
2-A	Worker	30.0	11.7	LDA,LDT1,LDT2
2-A	Vendor	0.00	8.40	HHDT,MHDT
2-A	Hauling	14.0	25.0	HHDT
2-A	Onsite truck	0.00	0.00	HHDT
2-B	—	—	—	—
2-B	Worker	30.0	11.7	LDA,LDT1,LDT2
2-B	Vendor	0.00	8.40	HHDT,MHDT
2-B	Hauling	14.0	25.0	HHDT
2-B	Onsite truck	0.00	0.00	HHDT
2-D-1-A	—	—	—	—
2-D-1-A	Worker	50.0	11.7	LDA,LDT1,LDT2

2-D-1-A	Vendor	25.0	8.40	HHDT,MHDT
2-D-1-A	Hauling	0.00	20.0	HHDT
2-D-1-A	Onsite truck	0.00	0.00	HHDT
2-E-1	—	—	—	—
2-E-1	Worker	50.0	11.7	LDA,LDT1,LDT2
2-E-1	Vendor	0.00	8.40	HHDT,MHDT
2-E-1	Hauling	0.00	20.0	HHDT
2-E-1	Onsite truck	0.00	0.00	HHDT
2-J	—	—	—	—
2-J	Worker	30.0	11.7	LDA,LDT1,LDT2
2-J	Vendor	0.00	8.40	HHDT,MHDT
2-J	Hauling	17.1	25.0	HHDT
2-J	Onsite truck	0.00	0.00	HHDT
2-K	—	—	—	—
2-K	Worker	30.0	11.7	LDA,LDT1,LDT2
2-K	Vendor	1.00	8.40	HHDT,MHDT
2-K	Hauling	3.39	25.0	HHDT
2-K	Onsite truck	0.00	0.00	HHDT
2-L	—	—	—	—
2-L	Worker	30.0	11.7	LDA,LDT1,LDT2
2-L	Vendor	0.00	8.40	HHDT,MHDT
2-L	Hauling	9.83	25.0	HHDT
2-L	Onsite truck	0.00	0.00	HHDT
2-M	—	—	—	—
2-M	Worker	35.0	11.7	LDA,LDT1,LDT2
2-M	Vendor	0.00	8.40	HHDT,MHDT
2-M	Hauling	0.00	20.0	HHDT
2-M	Onsite truck	0.00	0.00	HHDT

2-O	—	—	—	—
2-O	Worker	30.0	11.7	LDA,LDT1,LDT2
2-O	Vendor	0.00	8.40	HHDT,MHDT
2-O	Hauling	0.00	20.0	HHDT
2-O	Onsite truck	0.00	0.00	HHDT
2-N	—	—	—	—
2-N	Worker	30.0	11.7	LDA,LDT1,LDT2
2-N	Vendor	0.00	8.40	HHDT,MHDT
2-N	Hauling	0.00	20.0	HHDT
2-N	Onsite truck	0.00	0.00	HHDT
2-D-1-C	—	—	—	—
2-D-1-C	Worker	80.0	11.7	LDA,LDT1,LDT2
2-D-1-C	Vendor	25.0	20.0	HHDT,MHDT
2-D-1-C	Hauling	0.00	20.0	HHDT
2-D-1-C	Onsite truck	0.00	0.00	HHDT
2-D-2-A	—	—	—	—
2-D-2-A	Worker	50.0	11.7	LDA,LDT1,LDT2
2-D-2-A	Vendor	25.0	8.40	HHDT,MHDT
2-D-2-A	Hauling	0.00	20.0	HHDT
2-D-2-A	Onsite truck	0.00	0.00	HHDT
2-D-2-C	—	—	—	—
2-D-2-C	Worker	80.0	11.7	LDA,LDT1,LDT2
2-D-2-C	Vendor	25.0	20.0	HHDT,MHDT
2-D-2-C	Hauling	0.00	20.0	HHDT
2-D-2-C	Onsite truck	0.00	0.00	HHDT
2-Q	—	—	—	—
2-Q	Worker	0.00	11.7	LDA,LDT1,LDT2
2-Q	Vendor	0.00	8.40	HHDT,MHDT

2-Q	Hauling	16.0	25.0	HHDT
2-Q	Onsite truck	0.00	0.00	HHDT
2-P	—	—	—	—
2-P	Worker	35.0	11.7	LDA,LDT1,LDT2
2-P	Vendor	0.00	8.40	HHDT,MHDT
2-P	Hauling	0.00	20.0	HHDT
2-P	Onsite truck	0.00	0.00	HHDT
2-E-2	—	—	—	—
2-E-2	Worker	50.0	11.7	LDA,LDT1,LDT2
2-E-2	Vendor	0.00	8.40	HHDT,MHDT
2-E-2	Hauling	0.00	20.0	HHDT
2-E-2	Onsite truck	0.00	0.00	HHDT
2-D-1-B	—	—	—	—
2-D-1-B	Worker	20.0	11.7	LDA,LDT1,LDT2
2-D-1-B	Vendor	0.00	8.40	HHDT,MHDT
2-D-1-B	Hauling	0.00	20.0	HHDT
2-D-1-B	Onsite truck	0.00	0.00	HHDT
2-D-2-B	—	—	—	—
2-D-2-B	Worker	20.0	11.7	LDA,LDT1,LDT2
2-D-2-B	Vendor	0.00	8.40	HHDT,MHDT
2-D-2-B	Hauling	0.00	20.0	HHDT
2-D-2-B	Onsite truck	0.00	0.00	HHDT
2-F-1-A	—	—	—	—
2-F-1-A	Worker	50.0	11.7	LDA,LDT1,LDT2
2-F-1-A	Vendor	25.0	8.40	HHDT,MHDT
2-F-1-A	Hauling	0.00	20.0	HHDT
2-F-1-A	Onsite truck	0.00	0.00	HHDT
2-F-1-C	—	—	—	—

2-F-1-C	Worker	80.0	11.7	LDA,LDT1,LDT2
2-F-1-C	Vendor	25.0	20.0	HHDT,MHDT
2-F-1-C	Hauling	0.00	20.0	HHDT
2-F-1-C	Onsite truck	0.00	0.00	HHDT
2-H-1-A	—	—	—	—
2-H-1-A	Worker	20.0	11.7	LDA,LDT1,LDT2
2-H-1-A	Vendor	15.0	8.40	HHDT,MHDT
2-H-1-A	Hauling	0.00	20.0	HHDT
2-H-1-A	Onsite truck	0.00	0.00	HHDT
2-H-1-C	—	—	—	—
2-H-1-C	Worker	30.0	11.7	LDA,LDT1,LDT2
2-H-1-C	Vendor	15.0	8.40	HHDT,MHDT
2-H-1-C	Hauling	0.00	20.0	HHDT
2-H-1-C	Onsite truck	0.00	0.00	HHDT
2-H-2-A	—	—	—	—
2-H-2-A	Worker	20.0	11.7	LDA,LDT1,LDT2
2-H-2-A	Vendor	15.0	8.40	HHDT,MHDT
2-H-2-A	Hauling	0.00	20.0	HHDT
2-H-2-A	Onsite truck	0.00	0.00	HHDT
2-H-2-C	—	—	—	—
2-H-2-C	Worker	30.0	11.7	LDA,LDT1,LDT2
2-H-2-C	Vendor	15.0	8.40	HHDT,MHDT
2-H-2-C	Hauling	0.00	20.0	HHDT
2-H-2-C	Onsite truck	0.00	0.00	HHDT
2-G	—	—	—	—
2-G	Worker	50.0	11.7	LDA,LDT1,LDT2
2-G	Vendor	0.00	8.40	HHDT,MHDT
2-G	Hauling	0.00	20.0	HHDT

2-G	Onsite truck	0.00	0.00	HHDT
2-I	—	—	—	—
2-I	Worker	50.0	11.7	LDA,LDT1,LDT2
2-I	Vendor	0.00	8.40	HHDT,MHDT
2-I	Hauling	0.00	20.0	HHDT
2-I	Onsite truck	0.00	—	HHDT
2-F-1-B	—	—	—	—
2-F-1-B	Worker	20.0	11.7	LDA,LDT1,LDT2
2-F-1-B	Vendor	0.00	8.40	HHDT,MHDT
2-F-1-B	Hauling	0.00	20.0	HHDT
2-F-1-B	Onsite truck	0.00	0.00	HHDT
2-H-1-B	—	—	—	—
2-H-1-B	Worker	10.0	11.7	LDA,LDT1,LDT2
2-H-1-B	Vendor	0.00	8.40	HHDT,MHDT
2-H-1-B	Hauling	0.00	20.0	HHDT
2-H-1-B	Onsite truck	0.00	0.00	HHDT
2-H-2-B	—	—	—	—
2-H-2-B	Worker	10.0	11.7	LDA,LDT1,LDT2
2-H-2-B	Vendor	0.00	8.40	HHDT,MHDT
2-H-2-B	Hauling	0.00	20.0	HHDT
2-H-2-B	Onsite truck	0.00	0.00	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
2-C	—	—	—	—
2-C	Worker	20.0	11.7	LDA,LDT1,LDT2
2-C	Vendor	0.00	8.40	HHDT,MHDT
2-C	Hauling	50.0	25.0	HHDT

2-C	Onsite truck	0.00	0.00	HHDT
2-A	—	—	—	—
2-A	Worker	30.0	11.7	LDA,LDT1,LDT2
2-A	Vendor	0.00	8.40	HHDT,MHDT
2-A	Hauling	14.0	25.0	HHDT
2-A	Onsite truck	0.00	0.00	HHDT
2-B	—	—	—	—
2-B	Worker	30.0	11.7	LDA,LDT1,LDT2
2-B	Vendor	0.00	8.40	HHDT,MHDT
2-B	Hauling	14.0	25.0	HHDT
2-B	Onsite truck	0.00	0.00	HHDT
2-D-1-A	—	—	—	—
2-D-1-A	Worker	50.0	11.7	LDA,LDT1,LDT2
2-D-1-A	Vendor	25.0	8.40	HHDT,MHDT
2-D-1-A	Hauling	0.00	20.0	HHDT
2-D-1-A	Onsite truck	0.00	0.00	HHDT
2-E-1	—	—	—	—
2-E-1	Worker	50.0	11.7	LDA,LDT1,LDT2
2-E-1	Vendor	0.00	8.40	HHDT,MHDT
2-E-1	Hauling	0.00	20.0	HHDT
2-E-1	Onsite truck	0.00	0.00	HHDT
2-J	—	—	—	—
2-J	Worker	30.0	11.7	LDA,LDT1,LDT2
2-J	Vendor	0.00	8.40	HHDT,MHDT
2-J	Hauling	17.1	25.0	HHDT
2-J	Onsite truck	0.00	0.00	HHDT
2-K	—	—	—	—
2-K	Worker	30.0	11.7	LDA,LDT1,LDT2

2-K	Vendor	1.00	8.40	HHDT,MHDT
2-K	Hauling	3.39	25.0	HHDT
2-K	Onsite truck	0.00	0.00	HHDT
2-L	—	—	—	—
2-L	Worker	30.0	11.7	LDA,LDT1,LDT2
2-L	Vendor	0.00	8.40	HHDT,MHDT
2-L	Hauling	9.83	25.0	HHDT
2-L	Onsite truck	0.00	0.00	HHDT
2-M	—	—	—	—
2-M	Worker	35.0	11.7	LDA,LDT1,LDT2
2-M	Vendor	0.00	8.40	HHDT,MHDT
2-M	Hauling	0.00	20.0	HHDT
2-M	Onsite truck	0.00	0.00	HHDT
2-O	—	—	—	—
2-O	Worker	30.0	11.7	LDA,LDT1,LDT2
2-O	Vendor	0.00	8.40	HHDT,MHDT
2-O	Hauling	0.00	20.0	HHDT
2-O	Onsite truck	0.00	0.00	HHDT
2-N	—	—	—	—
2-N	Worker	30.0	11.7	LDA,LDT1,LDT2
2-N	Vendor	0.00	8.40	HHDT,MHDT
2-N	Hauling	0.00	20.0	HHDT
2-N	Onsite truck	0.00	0.00	HHDT
2-D-1-C	—	—	—	—
2-D-1-C	Worker	80.0	11.7	LDA,LDT1,LDT2
2-D-1-C	Vendor	25.0	20.0	HHDT,MHDT
2-D-1-C	Hauling	0.00	20.0	HHDT
2-D-1-C	Onsite truck	0.00	0.00	HHDT

2-D-2-A	—	—	—	—
2-D-2-A	Worker	50.0	11.7	LDA,LDT1,LDT2
2-D-2-A	Vendor	25.0	8.40	HHDT,MHDT
2-D-2-A	Hauling	0.00	20.0	HHDT
2-D-2-A	Onsite truck	0.00	0.00	HHDT
2-D-2-C	—	—	—	—
2-D-2-C	Worker	80.0	11.7	LDA,LDT1,LDT2
2-D-2-C	Vendor	25.0	20.0	HHDT,MHDT
2-D-2-C	Hauling	0.00	20.0	HHDT
2-D-2-C	Onsite truck	0.00	0.00	HHDT
2-Q	—	—	—	—
2-Q	Worker	0.00	11.7	LDA,LDT1,LDT2
2-Q	Vendor	0.00	8.40	HHDT,MHDT
2-Q	Hauling	16.0	25.0	HHDT
2-Q	Onsite truck	0.00	0.00	HHDT
2-P	—	—	—	—
2-P	Worker	35.0	11.7	LDA,LDT1,LDT2
2-P	Vendor	0.00	8.40	HHDT,MHDT
2-P	Hauling	0.00	20.0	HHDT
2-P	Onsite truck	0.00	0.00	HHDT
2-E-2	—	—	—	—
2-E-2	Worker	50.0	11.7	LDA,LDT1,LDT2
2-E-2	Vendor	0.00	8.40	HHDT,MHDT
2-E-2	Hauling	0.00	20.0	HHDT
2-E-2	Onsite truck	0.00	0.00	HHDT
2-D-1-B	—	—	—	—
2-D-1-B	Worker	20.0	11.7	LDA,LDT1,LDT2
2-D-1-B	Vendor	0.00	8.40	HHDT,MHDT

2-D-1-B	Hauling	0.00	20.0	HHDT
2-D-1-B	Onsite truck	0.00	0.00	HHDT
2-D-2-B	—	—	—	—
2-D-2-B	Worker	20.0	11.7	LDA,LDT1,LDT2
2-D-2-B	Vendor	0.00	8.40	HHDT,MHDT
2-D-2-B	Hauling	0.00	20.0	HHDT
2-D-2-B	Onsite truck	0.00	0.00	HHDT
2-F-1-A	—	—	—	—
2-F-1-A	Worker	50.0	11.7	LDA,LDT1,LDT2
2-F-1-A	Vendor	25.0	8.40	HHDT,MHDT
2-F-1-A	Hauling	0.00	20.0	HHDT
2-F-1-A	Onsite truck	0.00	0.00	HHDT
2-F-1-C	—	—	—	—
2-F-1-C	Worker	80.0	11.7	LDA,LDT1,LDT2
2-F-1-C	Vendor	25.0	20.0	HHDT,MHDT
2-F-1-C	Hauling	0.00	20.0	HHDT
2-F-1-C	Onsite truck	0.00	0.00	HHDT
2-H-1-A	—	—	—	—
2-H-1-A	Worker	20.0	11.7	LDA,LDT1,LDT2
2-H-1-A	Vendor	15.0	8.40	HHDT,MHDT
2-H-1-A	Hauling	0.00	20.0	HHDT
2-H-1-A	Onsite truck	0.00	0.00	HHDT
2-H-1-C	—	—	—	—
2-H-1-C	Worker	30.0	11.7	LDA,LDT1,LDT2
2-H-1-C	Vendor	15.0	8.40	HHDT,MHDT
2-H-1-C	Hauling	0.00	20.0	HHDT
2-H-1-C	Onsite truck	0.00	0.00	HHDT
2-H-2-A	—	—	—	—

2-H-2-A	Worker	20.0	11.7	LDA,LDT1,LDT2
2-H-2-A	Vendor	15.0	8.40	HHDT,MHDT
2-H-2-A	Hauling	0.00	20.0	HHDT
2-H-2-A	Onsite truck	0.00	0.00	HHDT
2-H-2-C	—	—	—	—
2-H-2-C	Worker	30.0	11.7	LDA,LDT1,LDT2
2-H-2-C	Vendor	15.0	8.40	HHDT,MHDT
2-H-2-C	Hauling	0.00	20.0	HHDT
2-H-2-C	Onsite truck	0.00	0.00	HHDT
2-G	—	—	—	—
2-G	Worker	50.0	11.7	LDA,LDT1,LDT2
2-G	Vendor	0.00	8.40	HHDT,MHDT
2-G	Hauling	0.00	20.0	HHDT
2-G	Onsite truck	0.00	0.00	HHDT
2-I	—	—	—	—
2-I	Worker	50.0	11.7	LDA,LDT1,LDT2
2-I	Vendor	0.00	8.40	HHDT,MHDT
2-I	Hauling	0.00	20.0	HHDT
2-I	Onsite truck	0.00	—	HHDT
2-F-1-B	—	—	—	—
2-F-1-B	Worker	20.0	11.7	LDA,LDT1,LDT2
2-F-1-B	Vendor	0.00	8.40	HHDT,MHDT
2-F-1-B	Hauling	0.00	20.0	HHDT
2-F-1-B	Onsite truck	0.00	0.00	HHDT
2-H-1-B	—	—	—	—
2-H-1-B	Worker	10.0	11.7	LDA,LDT1,LDT2
2-H-1-B	Vendor	0.00	8.40	HHDT,MHDT
2-H-1-B	Hauling	0.00	20.0	HHDT

2-H-1-B	Onsite truck	0.00	0.00	HHDT
2-H-2-B	—	—	—	—
2-H-2-B	Worker	10.0	11.7	LDA,LDT1,LDT2
2-H-2-B	Vendor	0.00	8.40	HHDT,MHDT
2-H-2-B	Hauling	0.00	20.0	HHDT
2-H-2-B	Onsite truck	0.00	0.00	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
2-E-1	0.00	0.00	480,000	160,000	0.00
2-E-2	0.00	0.00	480,000	160,000	0.00
2-I	0.00	0.00	52,500	17,500	0.00
2-G	0.00	0.00	150,000	50,000	0.00
2-P	0.00	0.00	0.00	0.00	31,363

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
2-A	0.00	0.00	3.35	0.00	—
2-B	26,984	0.00	0.00	0.00	—
2-N	8,108	0.00	0.00	0.00	—

2-P	0.00	0.00	0.00	0.00	2.41
2-J	0.00	0.00	0.00	96,556	—
2-K	3,576	0.00	0.00	0.00	—
2-L	10,219	0.00	0.00	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Office Park	0.00	0%
Research & Development	0.00	0%
University/College (4yr)	0.00	0%
General Office Building	0.00	0%
Regional Shopping Center	0.00	0%
Hotel	0.00	0%
Apartments Mid Rise	—	0%
Enclosed Parking with Elevator	0.00	100%
Parking Lot	0.19	100%
Road Construction	2.22	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2030	0.00	7.64	0.00	0.00
2031	500,000	7.14	0.00	0.00
2032	500,000	7.14	0.00	0.00
2033	250,000	7.14	0.00	0.00

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	Project in urban environment
Land Use	Office acres include acres for office, R&D, and academic. General office includes acres for hotel. Linear acres includes Daily, Girard, and utility improvements. No housing or garage during Phase 2.
Construction: Construction Phases	Data provided by SKS
Construction: Off-Road Equipment	Data provided by SKS.
Construction: Dust From Material Movement	Data provided by SKS.
Construction: Trips and VMT	Data provided by SKS. Defaults used where project-specific data were not available.
Construction: Paving	Data provided by SKS
Construction: On-Road Fugitive Dust	Silt loading modified per BAAQMD CEQA Guidelines.
Construction: Demolition	Removal during roadway/utility.
Construction: Architectural Coatings	Distributed coating square footages to phases based on buildings constructed in each phase.
Construction: Electricity	Per PG&E's 2023 PCL adjusted to account for RPS. CO2 is CO2e. 2030 consumption included in Phase 1.

A1.1.4 Phase 3 Construction CalEEMod Output

The CalEEMod output presents model inputs and outputs for construction of the CEQA Proposed Project, Phase 3. These emissions would also occur under the CEQA Proposed Project with either utility option and the CEQA Proposed Project with the Variant.

Neither total construction nor mobile-source emissions results in the CalEEMod output are adjusted to reflect the June 12, 2025, congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has developed off-model adjustment factors for NO_X, ROG, PM_{10}, and $PM_{2.5}$ that remove the estimated emissions benefits attributed to regulations. Emissions of these pollutants were separately quantified using the CalEEMod trip and milage inventory and emission factors from EMFAC2021 with the off-model adjustments per CARB's guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for mobile sources and the total phase emissions recalculated. Refer to Section A1.1.6 for the off-model calculations.

Moffett Alt 1 Construction Phase 3 Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Moffett Alt 1 Construction Phase 3
Construction Start Date	6/1/2033
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	28.2
Location	37.40646021370499, -122.05214834788202
County	Santa Clara
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1702
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	70.0	1000sqft	2.50	70,000	0.00	0.00	—	—
Research & Development	250	1000sqft	0.00	250,000	0.00	0.00	—	—

University/College (4yr)	34.0	Student	0.00	50,000	0.00	0.00	—	—
General Office Building	0.00	1000sqft	0.00	0.00	0.00	0.00	—	—
Regional Shopping Center	20.0	1000sqft	0.00	20,000	0.00	0.00	—	—
Hotel	0.00	Room	0.00	0.00	0.00	0.00	—	—
Apartments Mid Rise	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	—
Enclosed Parking with Elevator	555	1000sqft	1.40	555,000	0.00	0.00	—	—
Parking Lot	255	1000sqft	6.00	0.00	0.00	0.00	—	—
Road Construction	1.30	Mile	1.60	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-1-A	Use Electric or Hybrid Powered Equipment
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-4*	Use Local and Sustainable Building Materials
Construction	C-5	Use Advanced Engine Tiers
Construction	C-10-A	Water Exposed Surfaces
Construction	C-10-B	Water Active Demolition Sites
Construction	C-10-C	Water Unpaved Construction Roads
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-13	Use Low-VOC Paints for Construction

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	85.1	81.2	174	272	0.55	4.34	31.7	35.3	4.00	7.10	10.9	—	61,094	61,094	2.50	2.38	17.3	61,778
Mit.	35.8	35.2	42.8	245	0.44	1.09	28.0	28.7	1.04	6.71	7.60	—	50,725	50,725	2.08	2.29	17.3	51,373
% Reduced	58%	57%	75%	10%	21%	75%	12%	19%	74%	6%	30%	—	17%	17%	17%	4%	—	17%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	81.6	78.1	155	235	0.51	3.76	32.6	36.4	3.48	6.93	10.3	—	55,235	55,235	2.29	2.12	0.41	55,887
Mit.	34.3	33.7	43.6	205	0.39	1.09	27.3	28.1	1.04	6.51	7.30	—	44,866	44,866	1.87	2.07	0.41	45,482
% Reduced	58%	57%	72%	13%	24%	71%	16%	23%	70%	6%	29%	—	19%	19%	18%	2%	—	19%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	26.7	24.8	88.5	131	0.29	1.90	17.0	18.8	1.75	3.96	5.65	—	30,742	30,742	1.30	1.42	4.49	31,044
Mit.	9.99	9.75	21.1	109	0.21	0.51	15.6	16.1	0.50	3.80	4.29	—	24,103	24,103	1.04	1.37	4.49	24,541
% Reduced	63%	61%	76%	17%	28%	73%	8%	15%	72%	4%	24%	—	22%	22%	20%	4%	—	21%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.88	4.53	16.2	24.0	0.05	0.35	3.10	3.44	0.32	0.72	1.03	—	5,090	5,090	0.22	0.24	0.74	5,140
Mit.	1.82	1.78	3.86	19.9	0.04	0.09	2.84	2.93	0.09	0.69	0.78	—	3,990	3,990	0.17	0.23	0.74	4,063
% Reduced	63%	61%	76%	17%	28%	73%	8%	15%	72%	4%	24%	—	22%	22%	20%	4%	—	21%

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	7.91	6.31	61.9	78.6	0.17	2.03	15.4	17.4	1.87	3.29	5.16	—	20,091	20,091	0.95	1.23	10.1	20,492
2034	19.0	15.4	154	221	0.50	3.59	31.7	35.3	3.32	7.10	10.4	—	54,585	54,585	2.31	2.38	17.3	55,369
2035	85.1	81.2	174	272	0.55	4.34	29.3	33.7	4.00	6.92	10.9	—	61,094	61,094	2.50	2.04	14.0	61,778
2036	31.3	30.0	77.6	104	0.22	0.95	8.74	9.70	0.88	2.18	3.06	—	23,491	23,491	0.92	0.49	3.19	23,665
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	7.62	5.93	59.7	66.7	0.18	1.72	18.3	20.0	1.59	4.32	5.92	—	20,775	20,775	1.01	1.62	0.36	21,283
2034	19.4	15.8	155	228	0.50	3.76	32.6	36.4	3.48	6.84	10.3	—	54,270	54,270	2.29	2.12	0.41	54,956
2035	81.6	78.1	155	235	0.51	3.65	31.2	34.8	3.37	6.93	10.3	—	55,235	55,235	2.29	1.99	0.35	55,887
2036	23.9	21.9	105	147	0.33	1.63	11.3	12.9	1.50	2.82	4.32	—	34,869	34,869	1.38	0.75	0.11	35,126
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	2.11	1.67	16.6	19.5	0.05	0.51	4.35	4.86	0.47	0.97	1.44	—	5,336	5,336	0.25	0.36	1.33	5,451
2034	10.4	8.39	84.7	116	0.28	1.84	17.0	18.8	1.70	3.96	5.65	—	30,467	30,467	1.30	1.42	4.49	30,927
2035	26.7	24.8	88.5	131	0.29	1.90	12.6	14.4	1.75	2.99	4.74	—	30,742	30,742	1.25	0.90	2.60	31,044
2036	13.6	13.1	31.4	41.1	0.09	0.37	3.72	4.09	0.34	0.93	1.27	—	9,421	9,421	0.37	0.23	0.63	9,499
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	0.39	0.31	3.03	3.56	0.01	0.09	0.79	0.89	0.09	0.18	0.26	—	883	883	0.04	0.06	0.22	903
2034	1.90	1.53	15.5	21.2	0.05	0.34	3.10	3.44	0.31	0.72	1.03	—	5,044	5,044	0.22	0.24	0.74	5,120
2035	4.88	4.53	16.2	24.0	0.05	0.35	2.29	2.64	0.32	0.55	0.87	—	5,090	5,090	0.21	0.15	0.43	5,140
2036	2.48	2.39	5.73	7.49	0.02	0.07	0.68	0.75	0.06	0.17	0.23	—	1,560	1,560	0.06	0.04	0.10	1,573

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	1.93	1.47	21.2	75.3	0.16	0.32	12.8	13.1	0.32	3.01	3.32	—	18,956	18,956	0.90	1.22	10.1	19,353
2034	5.54	4.40	42.8	184	0.37	1.09	28.0	28.7	1.04	6.67	7.42	—	43,782	43,782	1.87	2.29	17.3	44,528
2035	35.8	35.2	36.5	245	0.44	0.89	27.4	28.3	0.89	6.71	7.60	—	50,725	50,725	2.08	1.95	14.0	51,373
2036	11.7	11.6	6.58	51.8	0.10	0.19	8.74	8.94	0.19	2.18	2.37	—	12,095	12,095	0.46	0.40	3.19	12,229
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	4.11	3.09	34.7	60.7	0.17	0.86	17.0	17.8	0.81	4.18	4.99	—	19,471	19,471	0.96	1.61	0.36	19,974
2034	5.51	4.37	43.6	197	0.38	1.09	26.8	27.5	1.04	6.21	6.98	—	44,034	44,034	1.87	2.07	0.41	44,685
2035	34.3	33.7	33.3	205	0.39	0.79	27.3	28.1	0.79	6.51	7.30	—	44,866	44,866	1.87	1.91	0.35	45,482
2036	7.43	7.29	12.1	98.9	0.19	0.37	11.3	11.7	0.37	2.82	3.19	—	22,047	22,047	0.86	0.64	0.11	22,260
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	0.89	0.68	8.18	18.4	0.04	0.18	3.81	3.98	0.17	0.91	1.08	—	5,052	5,052	0.24	0.36	1.33	5,166
2034	2.83	2.28	21.1	94.3	0.21	0.51	15.6	16.1	0.50	3.80	4.29	—	24,103	24,103	1.04	1.37	4.49	24,541
2035	9.99	9.75	15.5	109	0.20	0.41	11.9	12.3	0.41	2.91	3.32	—	23,504	23,504	0.96	0.84	2.60	23,782
2036	5.16	5.10	2.76	18.9	0.04	0.07	3.72	3.80	0.07	0.93	1.00	—	4,707	4,707	0.18	0.19	0.63	4,769
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	0.16	0.12	1.49	3.36	0.01	0.03	0.69	0.73	0.03	0.17	0.20	—	836	836	0.04	0.06	0.22	855
2034	0.52	0.42	3.86	17.2	0.04	0.09	2.84	2.93	0.09	0.69	0.78	—	3,990	3,990	0.17	0.23	0.74	4,063
2035	1.82	1.78	2.84	19.9	0.04	0.07	2.16	2.24	0.07	0.53	0.61	—	3,891	3,891	0.16	0.14	0.43	3,937
2036	0.94	0.93	0.50	3.45	0.01	0.01	0.68	0.69	0.01	0.17	0.18	—	779	779	0.03	0.03	0.10	790

3. Construction Emissions Details

3.1. 3-C (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.52	1.27	11.1	14.0	0.03	0.33	—	0.33	0.31	—	0.31	—	2,588	2,588	0.10	0.02	—	2,597
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.23	2.04	2.57	< 0.005	0.06	—	0.06	0.06	—	0.06	—	475	475	0.02	< 0.005	—	477
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.37	0.47	< 0.005	0.01	—	0.01	0.01	—	0.01	—	78.7	78.7	< 0.005	< 0.005	—	78.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.52	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	151	151	< 0.005	< 0.005	0.27	151
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.28	0.06	4.11	1.98	0.03	0.06	3.91	3.97	0.06	1.01	1.06	—	3,593	3,593	0.22	0.56	4.41	3,771
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	25.9	25.9	< 0.005	< 0.005	0.02	26.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.78	0.37	0.01	0.01	0.71	0.72	0.01	0.18	0.19	—	660	660	0.04	0.10	0.35	692
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.29	4.29	< 0.005	< 0.005	< 0.005	4.31
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	109	109	0.01	0.02	0.06	115

3.2. 3-C (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.28	3.96	15.3	0.03	0.05	—	0.05	0.05	—	0.05	—	2,588	2,588	0.10	0.02	—	2,597
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.05	0.05	0.73	2.80	< 0.005	0.01	—	0.01	0.01	—	0.01	—	475	475	0.02	< 0.005	—	477
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.13	0.51	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	78.7	78.7	< 0.005	< 0.005	—	78.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.52	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	151	151	< 0.005	< 0.005	0.27	151
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.28	0.06	4.11	1.98	0.03	0.06	3.91	3.97	0.06	1.01	1.06	—	3,593	3,593	0.22	0.56	4.41	3,771
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	25.9	25.9	< 0.005	< 0.005	0.02	26.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.78	0.37	0.01	0.01	0.71	0.72	0.01	0.18	0.19	—	660	660	0.04	0.10	0.35	692
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.29	4.29	< 0.005	< 0.005	< 0.005	4.31
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	109	109	0.01	0.02	0.06	115

3.3. 3-A (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.51	1.27	12.9	17.6	0.02	0.43	—	0.43	0.40	—	0.40	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.12	2.12	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.23	2.36	3.22	< 0.005	0.08	—	0.08	0.07	—	0.07	—	465	465	0.02	< 0.005	—	466
Dust From Material Movemer	—	—	—	—	—	—	0.39	0.39	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.43	0.59	< 0.005	0.01	—	0.01	0.01	—	0.01	—	76.9	76.9	< 0.005	< 0.005	—	77.2

Dust From Material Movemer	—	—	—	—	—	—	0.07	0.07	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.78	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	226	226	< 0.005	< 0.005	0.40	227
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.48	0.71	0.01	0.02	1.41	1.43	0.02	0.36	0.38	—	1,293	1,293	0.08	0.20	1.59	1,358
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.18	0.18	0.00	0.05	0.05	—	38.9	38.9	< 0.005	< 0.005	0.03	39.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.28	0.13	< 0.005	< 0.005	0.25	0.26	< 0.005	0.07	0.07	—	237	237	0.01	0.04	0.13	249
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.44	6.44	< 0.005	< 0.005	0.01	6.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	39.3	39.3	< 0.005	0.01	0.02	41.2

3.4. 3-A (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.61	2.52	< 0.005	0.01	—	0.01	0.01	—	0.01	—	360	360	0.01	< 0.005	—	362
Dust From Material Movemer	—	—	—	—	—	—	0.15	0.15	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	59.7	59.7	< 0.005	< 0.005	—	59.9
Dust From Material Movemer	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.78	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	226	226	< 0.005	< 0.005	0.40	227
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.48	0.71	0.01	0.02	1.41	1.43	0.02	0.36	0.38	—	1,293	1,293	0.08	0.20	1.59	1,358
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.18	0.18	0.00	0.05	0.05	—	38.9	38.9	< 0.005	< 0.005	0.03	39.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.28	0.13	< 0.005	< 0.005	0.25	0.26	< 0.005	0.07	0.07	—	237	237	0.01	0.04	0.13	249
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.44	6.44	< 0.005	< 0.005	0.01	6.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	39.3	39.3	< 0.005	0.01	0.02	41.2

3.5. 3-P (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.94	1.63	14.6	26.9	0.04	0.56	—	0.56	0.51	—	0.51	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.94	1.63	14.6	26.9	0.04	0.56	—	0.56	0.51	—	0.51	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.39	3.49	6.40	0.01	0.13	—	0.13	0.12	—	0.12	—	980	980	0.04	0.01	—	984
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.64	1.17	< 0.005	0.02	—	0.02	0.02	—	0.02	—	162	162	0.01	< 0.005	—	163
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.71	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	221	221	< 0.005	< 0.005	0.30	222
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.61	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	205	205	< 0.005	< 0.005	0.01	206
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	49.4	49.4	< 0.005	< 0.005	0.03	49.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.18	8.18	< 0.005	< 0.005	0.01	8.21
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. 3-P (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.10	0.76	6.85	0.01	0.02	—	0.02	0.02	—	0.02	—	980	980	0.04	0.01	—	984
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.14	1.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	162	162	0.01	< 0.005	—	163
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.71	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	221	221	< 0.005	< 0.005	0.30	222
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.61	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	205	205	< 0.005	< 0.005	0.01	206

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	49.4	49.4	< 0.005	< 0.005	0.03	49.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.18	8.18	< 0.005	< 0.005	0.01	8.21
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. 3-K (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.19	1.00	7.67	10.4	0.02	0.34	—	0.34	0.31	—	0.31	—	2,065	2,065	0.08	0.02	—	2,072
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.19	1.00	7.67	10.4	0.02	0.34	—	0.34	0.31	—	0.31	—	2,065	2,065	0.08	0.02	—	2,072

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.18	1.39	1.89	< 0.005	0.06	—	0.06	0.06	—	0.06	—	373	373	0.02	< 0.005	—	375
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.25	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	61.8	61.8	< 0.005	< 0.005	—	62.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	56.5	56.5	< 0.005	< 0.005	0.10	56.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	52.4	52.4	< 0.005	< 0.005	< 0.005	52.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.58	9.58	< 0.005	< 0.005	0.01	9.62
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	1.59	1.59	< 0.005	< 0.005	< 0.005	1.59
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. 3-K (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.19	1.01	11.9	0.02	0.04	—	0.04	0.04	—	0.04	—	2,065	2,065	0.08	0.02	—	2,072
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.19	1.01	11.9	0.02	0.04	—	0.04	0.04	—	0.04	—	2,065	2,065	0.08	0.02	—	2,072
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.18	2.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	373	373	0.02	< 0.005	—	375

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.03	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	61.8	61.8	< 0.005	< 0.005	—	62.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	56.5	56.5	< 0.005	< 0.005	0.10	56.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	52.4	52.4	< 0.005	< 0.005	< 0.005	52.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.58	9.58	< 0.005	< 0.005	0.01	9.62
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	1.59	1.59	< 0.005	< 0.005	< 0.005	1.59
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. 3-B (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.51	1.27	12.9	17.6	0.02	0.43	—	0.43	0.40	—	0.40	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.51	1.27	12.9	17.6	0.02	0.43	—	0.43	0.40	—	0.40	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	0.30	3.07	4.19	0.01	0.10	—	0.10	0.09	—	0.09	—	604	604	0.02	< 0.005	—	606

Dust From Material Movemer	—	—	—	—	—	—	0.51	0.51	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.56	0.77	< 0.005	0.02	—	0.02	0.02	—	0.02	—	100	100	< 0.005	< 0.005	—	100
Dust From Material Movemer	—	—	—	—	—	—	0.09	0.09	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.78	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	226	226	< 0.005	< 0.005	0.40	227
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.48	0.71	0.01	0.02	1.41	1.43	0.02	0.36	0.38	—	1,293	1,293	0.08	0.20	1.59	1,358
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	210	210	< 0.005	< 0.005	0.01	210
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.55	0.72	0.01	0.02	1.41	1.43	0.02	0.36	0.38	—	1,294	1,294	0.08	0.20	0.04	1,357
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.16	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	50.6	50.6	< 0.005	< 0.005	0.04	50.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.02	0.01	0.36	0.17	< 0.005	< 0.005	0.33	0.34	< 0.005	0.08	0.09	—	309	309	0.02	0.05	0.16	324
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.37	8.37	< 0.005	< 0.005	0.01	8.41
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	51.1	51.1	< 0.005	0.01	0.03	53.6

3.10. 3-B (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.80	3.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	469	469	0.02	< 0.005	—	470
Dust From Material Movemer	—	—	—	—	—	—	0.20	0.20	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.15	0.60	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	77.6	77.6	< 0.005	< 0.005	—	77.9
Dust From Material Movemer	—	—	—	—	—	—	0.04	0.04	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.78	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	226	226	< 0.005	< 0.005	0.40	227
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.48	0.71	0.01	0.02	1.41	1.43	0.02	0.36	0.38	—	1,293	1,293	0.08	0.20	1.59	1,358
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	210	210	< 0.005	< 0.005	0.01	210

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.55	0.72	0.01	0.02	1.41	1.43	0.02	0.36	0.38	—	1,294	1,294	0.08	0.20	0.04	1,357
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.16	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	50.6	50.6	< 0.005	< 0.005	0.04	50.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	0.01	0.36	0.17	< 0.005	< 0.005	0.33	0.34	< 0.005	0.08	0.09	—	309	309	0.02	0.05	0.16	324
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.37	8.37	< 0.005	< 0.005	0.01	8.41
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	51.1	51.1	< 0.005	0.01	0.03	53.6

3.11. 3-B (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.47	1.24	12.7	17.5	0.02	0.40	—	0.40	0.37	—	0.37	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipmer	1.47 t	1.24	12.7	17.5	0.02	0.40	—	0.40	0.37	—	0.37	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.44	0.37	3.76	5.22	0.01	0.12	—	0.12	0.11	—	0.11	—	753	753	0.03	0.01	—	756
Dust From Material Movemer	—	—	—	—	—	—	0.63	0.63	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.08	0.07	0.69	0.95	< 0.005	0.02	—	0.02	0.02	—	0.02	—	125	125	0.01	< 0.005	—	125
Dust From Material Movemer	—	—	—	—	—	—	0.12	0.12	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.74	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	224	224	< 0.005	< 0.005	0.34	225
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.10	0.02	1.44	0.68	0.01	0.02	1.41	1.43	0.02	0.36	0.38	—	1,260	1,260	0.07	0.20	1.38	1,324
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.63	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	207	207	< 0.005	< 0.005	0.01	208
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.51	0.69	0.01	0.02	1.41	1.43	0.02	0.36	0.38	—	1,261	1,261	0.07	0.20	0.04	1,323
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	62.3	62.3	< 0.005	< 0.005	0.04	62.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.44	0.20	< 0.005	0.01	0.41	0.42	0.01	0.11	0.11	—	375	375	0.02	0.06	0.18	394
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.3	10.3	< 0.005	< 0.005	0.01	10.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.08	0.04	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	62.1	62.1	< 0.005	0.01	0.03	65.2

3.12. 3-B (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.99	4.08	0.01	0.01	—	0.01	0.01	—	0.01	—	584	584	0.02	< 0.005	—	586
Dust From Material Movemer	—	—	—	—	—	—	0.25	0.25	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.18	0.74	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	96.7	96.7	< 0.005	< 0.005	—	97.0
Dust From Material Movemer	—	—	—	—	—	—	0.05	0.05	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.74	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	224	224	< 0.005	< 0.005	0.34	225
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.44	0.68	0.01	0.02	1.41	1.43	0.02	0.36	0.38	—	1,260	1,260	0.07	0.20	1.38	1,324
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.63	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	207	207	< 0.005	< 0.005	0.01	208
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.51	0.69	0.01	0.02	1.41	1.43	0.02	0.36	0.38	—	1,261	1,261	0.07	0.20	0.04	1,323
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	62.3	62.3	< 0.005	< 0.005	0.04	62.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.44	0.20	< 0.005	0.01	0.41	0.42	0.01	0.11	0.11	—	375	375	0.02	0.06	0.18	394
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.3	10.3	< 0.005	< 0.005	0.01	10.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.08	0.04	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	62.1	62.1	< 0.005	0.01	0.03	65.2

3.13. 3-O (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.00	1.68	14.9	26.9	0.04	0.60	—	0.60	0.55	—	0.55	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.19	3.19	—	0.35	0.35	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.90	1.63	< 0.005	0.04	—	0.04	0.03	—	0.03	—	249	249	0.01	< 0.005	—	250
Dust From Material Movemer	—	—	—	—	—	—	0.19	0.19	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	41.3	41.3	< 0.005	< 0.005	—	41.4
Dust From Material Movemer	—	—	—	—	—	—	0.04	0.04	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.63	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	207	207	< 0.005	< 0.005	0.01	208
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	12.7	12.7	< 0.005	< 0.005	0.01	12.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.10	2.10	< 0.005	< 0.005	< 0.005	2.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. 3-O (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.19	1.74	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	249	249	0.01	< 0.005	—	250
Dust From Material Movemer	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.3	41.3	< 0.005	< 0.005	—	41.4
Dust From Material Movemer	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.63	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	207	207	< 0.005	< 0.005	0.01	208
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	12.7	12.7	< 0.005	< 0.005	0.01	12.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.10	2.10	< 0.005	< 0.005	< 0.005	2.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. 3-O (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.94	1.63	14.6	26.9	0.04	0.56	—	0.56	0.51	—	0.51	—	4,113	4,113	0.17	0.03	—	4,127

Dust From Material Movemer	—	—	—	—	—	—	3.19	3.19	—	0.35	0.35	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.92	1.68	< 0.005	0.03	—	0.03	0.03	—	0.03	—	258	258	0.01	< 0.005	—	258
Dust From Material Movemer	—	—	—	—	—	—	0.20	0.20	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.17	0.31	< 0.005	0.01	—	0.01	0.01	—	0.01	—	42.6	42.6	< 0.005	< 0.005	—	42.8
Dust From Material Movemer	—	—	—	—	—	—	0.04	0.04	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.61	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	205	205	< 0.005	< 0.005	0.01	206

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.02	0.02	—	13.0	13.0	< 0.005	< 0.005	0.01	13.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.15	2.15	< 0.005	< 0.005	< 0.005	2.16
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. 3-O (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.20	1.80	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	258	258	0.01	< 0.005	—	258
Dust From Material Movemer	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.33	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	42.6	42.6	< 0.005	< 0.005	—	42.8
Dust From Material Movemer	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.61	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	205	205	< 0.005	< 0.005	0.01	206
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.02	0.02	—	13.0	13.0	< 0.005	< 0.005	0.01	13.0

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.15	2.15	< 0.005	< 0.005	< 0.005	2.16
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. 3-J (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.38	1.16	9.05	12.6	0.02	0.39	—	0.39	0.35	—	0.35	—	2,455	2,455	0.10	0.02	—	2,463
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.12	1.55	< 0.005	0.05	—	0.05	0.04	—	0.04	—	303	303	0.01	< 0.005	—	304
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.03	0.03	0.20	0.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	50.1	50.1	< 0.005	< 0.005	—	50.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.26	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	75.4	75.4	< 0.005	< 0.005	0.13	75.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.71	8.71	< 0.005	< 0.005	0.01	8.74
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	1.44	1.44	< 0.005	< 0.005	< 0.005	1.45
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.18. 3-J (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.23	0.23	1.20	14.2	0.02	0.05	—	0.05	0.05	—	0.05	—	2,455	2,455	0.10	0.02	—	2,463
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.15	1.76	< 0.005	0.01	—	0.01	0.01	—	0.01	—	303	303	0.01	< 0.005	—	304
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.03	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	50.1	50.1	< 0.005	< 0.005	—	50.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.26	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	75.4	75.4	< 0.005	< 0.005	0.13	75.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.71	8.71	< 0.005	< 0.005	0.01	8.74

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	1.44	1.44	< 0.005	< 0.005	< 0.005	1.45
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.19. 3-D-1-A (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.08	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	349	349	0.01	< 0.005	0.02	350
Vendor	0.04	0.01	0.63	0.32	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	537	537	0.03	0.08	0.02	561
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	62.9	62.9	< 0.005	< 0.005	0.05	63.1
Vendor	0.01	< 0.005	0.11	0.06	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	95.6	95.6	< 0.005	0.01	0.05	99.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.4	10.4	< 0.005	< 0.005	0.01	10.5
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	15.8	15.8	< 0.005	< 0.005	0.01	16.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.20. 3-D-1-A (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.08	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	349	349	0.01	< 0.005	0.02	350
Vendor	0.04	0.01	0.63	0.32	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	537	537	0.03	0.08	0.02	561
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	62.9	62.9	< 0.005	< 0.005	0.05	63.1
Vendor	0.01	< 0.005	0.11	0.06	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	95.6	95.6	< 0.005	0.01	0.05	99.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.4	10.4	< 0.005	< 0.005	0.01	10.5
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	15.8	15.8	< 0.005	< 0.005	0.01	16.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. 3-D-1-C (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	5.47	4.57	44.9	62.8	0.13	0.83	—	0.83	0.77	—	0.77	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.47	4.57	44.9	62.8	0.13	0.83	—	0.83	0.77	—	0.77	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.91	3.26	32.1	44.9	0.10	0.59	—	0.59	0.55	—	0.55	—	9,623	9,623	0.39	0.08	—	9,656
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.71	0.60	5.85	8.19	0.02	0.11	—	0.11	0.10	—	0.10	—	1,593	1,593	0.06	0.01	—	1,599
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.10	1.98	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	596	596	0.01	0.01	0.92	599
Vendor	0.07	0.02	1.08	0.50	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,200	1,200	0.05	0.18	1.26	1,256
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.12	1.68	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	552	552	0.01	0.01	0.02	554
Vendor	0.07	0.02	1.15	0.50	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,201	1,201	0.05	0.18	0.03	1,256
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.07	1.20	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	399	399	0.01	< 0.005	0.28	400
Vendor	0.05	0.01	0.80	0.36	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	857	857	0.04	0.13	0.39	897
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.22	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	66.0	66.0	< 0.005	< 0.005	0.05	66.3
Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	142	142	0.01	0.02	0.06	149
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.22. 3-D-1-C (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipmer	0.83 t	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.59	0.59	3.07	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,231	6,231	0.25	0.05	—	6,252
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.11	0.11	0.56	6.09	0.01	0.02	—	0.02	0.02	—	0.02	—	1,032	1,032	0.04	0.01	—	1,035
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.10	1.98	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	596	596	0.01	0.01	0.92	599
Vendor	0.07	0.02	1.08	0.50	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,200	1,200	0.05	0.18	1.26	1,256
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.12	1.68	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	552	552	0.01	0.01	0.02	554
Vendor	0.07	0.02	1.15	0.50	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,201	1,201	0.05	0.18	0.03	1,256
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.12	0.11	0.07	1.20	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	399	399	0.01	< 0.005	0.28	400
Vendor	0.05	0.01	0.80	0.36	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	857	857	0.04	0.13	0.39	897
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.22	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	66.0	66.0	< 0.005	< 0.005	0.05	66.3
Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	142	142	0.01	0.02	0.06	149
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.23. 3-D-1-C (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.37	4.49	43.8	62.2	0.13	0.80	—	0.80	0.73	—	0.73	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.37	4.49	43.8	62.2	0.13	0.80	—	0.80	0.73	—	0.73	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	3.84	3.20	31.3	44.4	0.10	0.57	—	0.57	0.52	—	0.52	—	9,623	9,623	0.39	0.08	—	9,656
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.70	0.58	5.71	8.11	0.02	0.10	—	0.10	0.10	—	0.10	—	1,593	1,593	0.06	0.01	—	1,599
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.09	1.90	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	590	590	0.01	0.01	0.79	592
Vendor	0.06	0.02	1.05	0.48	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,158	1,158	0.04	0.17	1.06	1,211
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.10	1.62	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	547	547	0.01	0.01	0.02	548
Vendor	0.06	0.02	1.10	0.49	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,159	1,159	0.04	0.17	0.03	1,210
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.07	1.14	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	395	395	0.01	< 0.005	0.24	396
Vendor	0.04	0.01	0.77	0.35	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	827	827	0.03	0.12	0.33	865
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.21	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	65.3	65.3	< 0.005	< 0.005	0.04	65.6
Vendor	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	137	137	< 0.005	0.02	0.05	143

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.24. 3-D-1-C (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.59	3.07	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,231	6,231	0.25	0.05	—	6,252
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.11	0.11	0.56	6.09	0.01	0.02	—	0.02	0.02	—	0.02	—	1,032	1,032	0.04	0.01	—	1,035
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.09	1.90	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	590	590	0.01	0.01	0.79	592
Vendor	0.06	0.02	1.05	0.48	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,158	1,158	0.04	0.17	1.06	1,211
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.10	1.62	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	547	547	0.01	0.01	0.02	548
Vendor	0.06	0.02	1.10	0.49	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,159	1,159	0.04	0.17	0.03	1,210
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.07	1.14	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	395	395	0.01	< 0.005	0.24	396
Vendor	0.04	0.01	0.77	0.35	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	827	827	0.03	0.12	0.33	865
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.21	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	65.3	65.3	< 0.005	< 0.005	0.04	65.6
Vendor	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	137	137	< 0.005	0.02	0.05	143
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.25. 3-D-1-C (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.26	4.40	42.4	61.6	0.13	0.75	—	0.75	0.69	—	0.69	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	0.28	2.74	3.98	0.01	0.05	—	0.05	0.04	—	0.04	—	870	870	0.04	0.01	—	873
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.50	0.73	< 0.005	0.01	—	0.01	0.01	—	0.01	—	144	144	0.01	< 0.005	—	145
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.16	0.10	1.56	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	541	541	0.01	0.01	0.02	543

Vendor	0.06	0.02	1.07	0.47	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,121	1,121	0.04	0.17	0.02	1,172
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	35.3	35.3	< 0.005	< 0.005	0.02	35.5
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.10	0.10	< 0.005	0.02	0.03	—	72.4	72.4	< 0.005	0.01	0.02	75.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	5.85	5.85	< 0.005	< 0.005	< 0.005	5.87
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	12.0	12.0	< 0.005	< 0.005	< 0.005	12.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.26. 3-D-1-C (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.05	0.05	0.28	3.02	0.01	0.01	—	0.01	0.01	—	0.01	—	563	563	0.02	< 0.005	—	565
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.55	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	93.3	93.3	< 0.005	< 0.005	—	93.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.16	0.10	1.56	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	541	541	0.01	0.01	0.02	543
Vendor	0.06	0.02	1.07	0.47	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,121	1,121	0.04	0.17	0.02	1,172
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	35.3	35.3	< 0.005	< 0.005	0.02	35.5
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.10	0.10	< 0.005	0.02	0.03	—	72.4	72.4	< 0.005	0.01	0.02	75.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	5.85	5.85	< 0.005	< 0.005	< 0.005	5.87
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	12.0	12.0	< 0.005	< 0.005	< 0.005	12.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.27. 3-D-2-A (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.06	1.24	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	373	373	< 0.005	< 0.005	0.57	374
Vendor	0.04	0.02	0.58	0.30	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	518	518	0.03	0.08	0.53	542
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.08	1.05	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	345	345	0.01	< 0.005	0.01	346
Vendor	0.04	0.01	0.61	0.31	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	518	518	0.03	0.08	0.01	542

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.18	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	60.2	60.2	< 0.005	< 0.005	0.04	60.5
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	89.4	89.4	< 0.005	0.01	0.04	93.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.97	9.97	< 0.005	< 0.005	0.01	10.0
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	14.8	14.8	< 0.005	< 0.005	0.01	15.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.28. 3-D-2-A (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.06	1.24	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	373	373	< 0.005	< 0.005	0.57	374
Vendor	0.04	0.02	0.58	0.30	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	518	518	0.03	0.08	0.53	542
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.08	1.05	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	345	345	0.01	< 0.005	0.01	346
Vendor	0.04	0.01	0.61	0.31	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	518	518	0.03	0.08	0.01	542
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.18	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	60.2	60.2	< 0.005	< 0.005	0.04	60.5
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	89.4	89.4	< 0.005	0.01	0.04	93.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.97	9.97	< 0.005	< 0.005	0.01	10.0
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	14.8	14.8	< 0.005	< 0.005	0.01	15.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.29. 3-D-2-C (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	5.47	4.57	44.9	62.8	0.13	0.83	—	0.83	0.77	—	0.77	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.47	4.57	44.9	62.8	0.13	0.83	—	0.83	0.77	—	0.77	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.62	2.19	21.5	30.1	0.06	0.40	—	0.40	0.37	—	0.37	—	6,459	6,459	0.26	0.05	—	6,482
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	0.40	3.93	5.50	0.01	0.07	—	0.07	0.07	—	0.07	—	1,069	1,069	0.04	0.01	—	1,073
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.10	1.98	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	596	596	0.01	0.01	0.92	599
Vendor	0.07	0.02	1.08	0.50	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,200	1,200	0.05	0.18	1.26	1,256
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.12	1.68	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	552	552	0.01	0.01	0.02	554
Vendor	0.07	0.02	1.15	0.50	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,201	1,201	0.05	0.18	0.03	1,256
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.05	0.80	0.00	0.00	1.28	1.28	0.00	0.32	0.32	—	268	268	< 0.005	< 0.005	0.19	269
Vendor	0.04	0.01	0.54	0.24	0.01	0.01	0.72	0.72	0.01	0.18	0.19	—	576	576	0.02	0.09	0.26	602
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	44.3	44.3	< 0.005	< 0.005	0.03	44.5
Vendor	0.01	< 0.005	0.10	0.04	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	95.3	95.3	< 0.005	0.01	0.04	99.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.30. 3-D-2-C (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipmer	0.83 t	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.40	0.40	2.06	22.4	0.04	0.08	—	0.08	0.08	—	0.08	—	4,182	4,182	0.17	0.03	—	4,197
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.07	0.07	0.38	4.09	0.01	0.01	—	0.01	0.01	—	0.01	—	692	692	0.03	0.01	—	695
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.10	1.98	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	596	596	0.01	0.01	0.92	599
Vendor	0.07	0.02	1.08	0.50	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,200	1,200	0.05	0.18	1.26	1,256
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.12	1.68	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	552	552	0.01	0.01	0.02	554
Vendor	0.07	0.02	1.15	0.50	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,201	1,201	0.05	0.18	0.03	1,256
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.08	0.08	0.05	0.80	0.00	0.00	1.28	1.28	0.00	0.32	0.32	—	268	268	< 0.005	< 0.005	0.19	269
Vendor	0.04	0.01	0.54	0.24	0.01	0.01	0.72	0.72	0.01	0.18	0.19	—	576	576	0.02	0.09	0.26	602
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	44.3	44.3	< 0.005	< 0.005	0.03	44.5
Vendor	0.01	< 0.005	0.10	0.04	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	95.3	95.3	< 0.005	0.01	0.04	99.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.31. 3-D-2-C (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.37	4.49	43.8	62.2	0.13	0.80	—	0.80	0.73	—	0.73	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.37	4.49	43.8	62.2	0.13	0.80	—	0.80	0.73	—	0.73	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	3.84	3.20	31.3	44.4	0.10	0.57	—	0.57	0.52	—	0.52	—	9,623	9,623	0.39	0.08	—	9,656
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.70	0.58	5.71	8.11	0.02	0.10	—	0.10	0.10	—	0.10	—	1,593	1,593	0.06	0.01	—	1,599
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.09	1.90	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	590	590	0.01	0.01	0.79	592
Vendor	0.06	0.02	1.05	0.48	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,158	1,158	0.04	0.17	1.06	1,211
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.10	1.62	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	547	547	0.01	0.01	0.02	548
Vendor	0.06	0.02	1.10	0.49	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,159	1,159	0.04	0.17	0.03	1,210
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.07	1.14	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	395	395	0.01	< 0.005	0.24	396
Vendor	0.04	0.01	0.77	0.35	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	827	827	0.03	0.12	0.33	865
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.21	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	65.3	65.3	< 0.005	< 0.005	0.04	65.6
Vendor	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	137	137	< 0.005	0.02	0.05	143

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.32. 3-D-2-C (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.59	3.07	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,231	6,231	0.25	0.05	—	6,252
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.11	0.11	0.56	6.09	0.01	0.02	—	0.02	0.02	—	0.02	—	1,032	1,032	0.04	0.01	—	1,035
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.09	1.90	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	590	590	0.01	0.01	0.79	592
Vendor	0.06	0.02	1.05	0.48	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,158	1,158	0.04	0.17	1.06	1,211
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.10	1.62	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	547	547	0.01	0.01	0.02	548
Vendor	0.06	0.02	1.10	0.49	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,159	1,159	0.04	0.17	0.03	1,210
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.07	1.14	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	395	395	0.01	< 0.005	0.24	396
Vendor	0.04	0.01	0.77	0.35	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	827	827	0.03	0.12	0.33	865
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.21	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	65.3	65.3	< 0.005	< 0.005	0.04	65.6
Vendor	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	137	137	< 0.005	0.02	0.05	143
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.33. 3-D-2-C (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.26	4.40	42.4	61.6	0.13	0.75	—	0.75	0.69	—	0.69	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.26	4.40	42.4	61.6	0.13	0.75	—	0.75	0.69	—	0.69	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.58	1.32	12.7	18.4	0.04	0.22	—	0.22	0.21	—	0.21	—	4,034	4,034	0.16	0.03	—	4,048
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.24	2.32	3.36	0.01	0.04	—	0.04	0.04	—	0.04	—	668	668	0.03	0.01	—	670
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.16	0.09	1.83	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	584	584	0.01	0.01	0.67	586
Vendor	0.06	0.02	1.01	0.46	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,120	1,120	0.04	0.17	0.89	1,173
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.16	0.10	1.56	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	541	541	0.01	0.01	0.02	543
Vendor	0.06	0.02	1.07	0.47	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,121	1,121	0.04	0.17	0.02	1,172
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.46	0.00	0.00	0.80	0.80	0.00	0.20	0.20	—	164	164	< 0.005	< 0.005	0.09	164
Vendor	0.02	0.01	0.31	0.14	< 0.005	< 0.005	0.45	0.45	< 0.005	0.12	0.12	—	336	336	0.01	0.05	0.11	351
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	27.1	27.1	< 0.005	< 0.005	0.01	27.2
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	55.5	55.5	< 0.005	0.01	0.02	58.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.34. 3-D-2-C (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.25	1.29	14.0	0.02	0.05	—	0.05	0.05	—	0.05	—	2,612	2,612	0.11	0.02	—	2,621
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.23	2.55	< 0.005	0.01	—	0.01	0.01	—	0.01	—	432	432	0.02	< 0.005	—	434
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.16	0.09	1.83	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	584	584	0.01	0.01	0.67	586
Vendor	0.06	0.02	1.01	0.46	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,120	1,120	0.04	0.17	0.89	1,173
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.16	0.10	1.56	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	541	541	0.01	0.01	0.02	543
Vendor	0.06	0.02	1.07	0.47	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,121	1,121	0.04	0.17	0.02	1,172
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.46	0.00	0.00	0.80	0.80	0.00	0.20	0.20	—	164	164	< 0.005	< 0.005	0.09	164
Vendor	0.02	0.01	0.31	0.14	< 0.005	< 0.005	0.45	0.45	< 0.005	0.12	0.12	—	336	336	0.01	0.05	0.11	351
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	27.1	27.1	< 0.005	< 0.005	0.01	27.2
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	55.5	55.5	< 0.005	0.01	0.02	58.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.35. 3-R (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.02	1.15	0.56	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	1,006	1,006	0.06	0.16	1.24	1,056
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.02	1.21	0.56	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	1,007	1,007	0.06	0.16	0.03	1,055
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.50	0.23	< 0.005	0.01	0.45	0.46	0.01	0.12	0.12	—	421	421	0.03	0.07	0.22	442
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	69.8	69.8	< 0.005	0.01	0.04	73.2

3.36. 3-R (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.02	1.15	0.56	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	1,006	1,006	0.06	0.16	1.24	1,056
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.02	1.21	0.56	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	1,007	1,007	0.06	0.16	0.03	1,055
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.50	0.23	< 0.005	0.01	0.45	0.46	0.01	0.12	0.12	—	421	421	0.03	0.07	0.22	442
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	69.8	69.8	< 0.005	0.01	0.04	73.2

3.37. 3-R (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.02	1.12	0.53	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	980	980	0.05	0.16	1.07	1,030
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.02	1.18	0.54	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	981	981	0.05	0.16	0.03	1,029
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	0.01	0.82	0.38	0.01	0.01	0.77	0.78	0.01	0.20	0.21	—	700	700	0.04	0.11	0.33	735
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.14	0.14	< 0.005	0.04	0.04	—	116	116	0.01	0.02	0.05	122

3.38. 3-R (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.02	1.12	0.53	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	980	980	0.05	0.16	1.07	1,030
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.02	1.18	0.54	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	981	981	0.05	0.16	0.03	1,029
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	0.01	0.82	0.38	0.01	0.01	0.77	0.78	0.01	0.20	0.21	—	700	700	0.04	0.11	0.33	735
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.14	0.14	< 0.005	0.04	0.04	—	116	116	0.01	0.02	0.05	122

3.39. 3-R (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.09	0.51	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	957	957	0.05	0.15	0.92	1,004
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.07	0.02	1.15	0.51	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	957	957	0.05	0.15	0.02	1,003
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.81	0.37	0.01	0.01	0.77	0.78	0.01	0.20	0.21	—	684	684	0.04	0.11	0.28	717
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.14	0.14	< 0.005	0.04	0.04	—	113	113	0.01	0.02	0.05	119

3.40. 3-R (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.09	0.51	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	957	957	0.05	0.15	0.92	1,004
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.15	0.51	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	957	957	0.05	0.15	0.02	1,003
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.81	0.37	0.01	0.01	0.77	0.78	0.01	0.20	0.21	—	684	684	0.04	0.11	0.28	717
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.14	0.14	< 0.005	0.04	0.04	—	113	113	0.01	0.02	0.05	119

3.41. 3-R (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.06	0.50	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	937	937	0.05	0.15	0.79	983
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.12	0.50	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	937	937	0.05	0.15	0.02	983
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.73	0.33	0.01	0.01	0.71	0.72	0.01	0.18	0.19	—	616	616	0.03	0.10	0.22	646
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.04	—	102	102	< 0.005	0.02	0.04	107

3.42. 3-R (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.06	0.50	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	937	937	0.05	0.15	0.79	983

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.12	0.50	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	937	937	0.05	0.15	0.02	983
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.73	0.33	0.01	0.01	0.71	0.72	0.01	0.18	0.19	—	616	616	0.03	0.10	0.22	646
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.04	—	102	102	< 0.005	0.02	0.04	107

3.43. 3-L (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	0.81	6.96	9.69	0.02	0.15	—	0.15	0.14	—	0.14	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.42	0.59	< 0.005	0.01	—	0.01	0.01	—	0.01	—	109	109	< 0.005	< 0.005	—	110
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.1	18.1	< 0.005	< 0.005	—	18.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.08	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	349	349	0.01	< 0.005	0.02	350
Vendor	0.03	0.01	0.51	0.26	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	430	430	0.02	0.06	0.01	449
Hauling	0.51	0.10	7.86	3.64	0.05	0.10	7.12	7.22	0.10	1.83	1.93	—	6,542	6,542	0.40	1.03	0.21	6,858
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	21.4	21.4	< 0.005	< 0.005	0.02	21.5
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	26.0	26.0	< 0.005	< 0.005	0.01	27.2
Hauling	0.03	0.01	0.47	0.22	< 0.005	0.01	0.42	0.43	0.01	0.11	0.12	—	397	397	0.02	0.06	0.21	416
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.55	3.55	< 0.005	< 0.005	< 0.005	3.56
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	4.31	4.31	< 0.005	< 0.005	< 0.005	4.51
Hauling	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	65.7	65.7	< 0.005	0.01	0.03	68.9

3.44. 3-L (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.19	1.25	5.70	0.01	0.05	—	0.05	0.05	—	0.05	—	1,064	1,064	0.04	0.01	—	1,068
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.35	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	64.6	64.6	< 0.005	< 0.005	—	64.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.7	10.7	< 0.005	< 0.005	—	10.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.08	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	349	349	0.01	< 0.005	0.02	350
Vendor	0.03	0.01	0.51	0.26	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	430	430	0.02	0.06	0.01	449
Hauling	0.51	0.10	7.86	3.64	0.05	0.10	7.12	7.22	0.10	1.83	1.93	—	6,542	6,542	0.40	1.03	0.21	6,858
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	21.4	21.4	< 0.005	< 0.005	0.02	21.5
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	26.0	26.0	< 0.005	< 0.005	0.01	27.2
Hauling	0.03	0.01	0.47	0.22	< 0.005	0.01	0.42	0.43	0.01	0.11	0.12	—	397	397	0.02	0.06	0.21	416
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.55	3.55	< 0.005	< 0.005	< 0.005	3.56
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	4.31	4.31	< 0.005	< 0.005	< 0.005	4.51
Hauling	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	65.7	65.7	< 0.005	0.01	0.03	68.9

3.45. 3-L (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	0.79	6.85	9.68	0.02	0.14	—	0.14	0.13	—	0.13	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.96	0.79	6.85	9.68	0.02	0.14	—	0.14	0.13	—	0.13	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.68	0.57	4.89	6.91	0.01	0.10	—	0.10	0.09	—	0.09	—	1,286	1,286	0.05	0.01	—	1,291
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.89	1.26	< 0.005	0.02	—	0.02	0.02	—	0.02	—	213	213	0.01	< 0.005	—	214
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.06	1.24	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	373	373	< 0.005	< 0.005	0.57	374
Vendor	0.03	0.01	0.46	0.24	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	414	414	0.02	0.06	0.42	434
Hauling	0.52	0.11	7.27	3.46	0.05	0.10	7.12	7.22	0.10	1.83	1.93	—	6,371	6,371	0.35	1.03	6.96	6,693
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.08	1.05	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	345	345	0.01	< 0.005	0.01	346
Vendor	0.03	0.01	0.49	0.25	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	415	415	0.02	0.06	0.01	434
Hauling	0.51	0.10	7.65	3.49	0.05	0.10	7.12	7.22	0.10	1.83	1.93	—	6,374	6,374	0.35	1.03	0.18	6,689
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.07	0.07	0.04	0.75	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	249	249	< 0.005	< 0.005	0.18	250
Vendor	0.02	0.01	0.34	0.18	< 0.005	< 0.005	0.36	0.36	< 0.005	0.09	0.09	—	296	296	0.01	0.04	0.13	310
Hauling	0.37	0.08	5.36	2.48	0.04	0.07	5.00	5.07	0.07	1.28	1.36	—	4,552	4,552	0.25	0.73	2.15	4,779
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	41.3	41.3	< 0.005	< 0.005	0.03	41.4
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	49.0	49.0	< 0.005	0.01	0.02	51.3
Hauling	0.07	0.01	0.98	0.45	0.01	0.01	0.91	0.92	0.01	0.23	0.25	—	754	754	0.04	0.12	0.36	791

3.46. 3-L (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.19	1.25	5.70	0.01	0.05	—	0.05	0.05	—	0.05	—	1,064	1,064	0.04	0.01	—	1,068
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.19	1.25	5.70	0.01	0.05	—	0.05	0.05	—	0.05	—	1,064	1,064	0.04	0.01	—	1,068
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.15	0.13	0.89	4.07	0.01	0.03	—	0.03	0.03	—	0.03	—	760	760	0.03	0.01	—	763
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.16	0.74	< 0.005	0.01	—	0.01	0.01	—	0.01	—	126	126	0.01	< 0.005	—	126
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.06	1.24	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	373	373	< 0.005	< 0.005	0.57	374
Vendor	0.03	0.01	0.46	0.24	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	414	414	0.02	0.06	0.42	434
Hauling	0.52	0.11	7.27	3.46	0.05	0.10	7.12	7.22	0.10	1.83	1.93	—	6,371	6,371	0.35	1.03	6.96	6,693
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.08	1.05	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	345	345	0.01	< 0.005	0.01	346
Vendor	0.03	0.01	0.49	0.25	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	415	415	0.02	0.06	0.01	434
Hauling	0.51	0.10	7.65	3.49	0.05	0.10	7.12	7.22	0.10	1.83	1.93	—	6,374	6,374	0.35	1.03	0.18	6,689
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.75	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	249	249	< 0.005	< 0.005	0.18	250
Vendor	0.02	0.01	0.34	0.18	< 0.005	< 0.005	0.36	0.36	< 0.005	0.09	0.09	—	296	296	0.01	0.04	0.13	310
Hauling	0.37	0.08	5.36	2.48	0.04	0.07	5.00	5.07	0.07	1.28	1.36	—	4,552	4,552	0.25	0.73	2.15	4,779
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	41.3	41.3	< 0.005	< 0.005	0.03	41.4
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	49.0	49.0	< 0.005	0.01	0.02	51.3

Hauling	0.07	0.01	0.98	0.45	0.01	0.01	0.91	0.92	0.01	0.23	0.25	—	754	754	0.04	0.12	0.36	791

3.47. 3-L (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	0.78	6.71	9.61	0.02	0.13	—	0.13	0.12	—	0.12	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	0.78	6.71	9.61	0.02	0.13	—	0.13	0.12	—	0.12	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.23	2.00	2.86	0.01	0.04	—	0.04	0.04	—	0.04	—	536	536	0.02	< 0.005	—	538
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.05	0.04	0.36	0.52	< 0.005	0.01	—	0.01	0.01	—	0.01	—	88.7	88.7	< 0.005	< 0.005	—	89.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.06	1.19	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	369	369	< 0.005	< 0.005	0.49	370
Vendor	0.03	0.01	0.45	0.24	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	400	400	0.02	0.06	0.36	418
Hauling	0.46	0.11	7.06	3.31	0.05	0.10	7.12	7.22	0.10	1.83	1.93	—	6,220	6,220	0.35	0.98	5.99	6,525
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	1.01	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	342	342	0.01	< 0.005	0.01	343
Vendor	0.03	0.01	0.47	0.25	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	400	400	0.02	0.06	0.01	418
Hauling	0.46	0.10	7.49	3.34	0.05	0.10	7.12	7.22	0.10	1.83	1.93	—	6,223	6,223	0.35	0.98	0.16	6,522
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.30	0.00	0.00	0.50	0.50	0.00	0.12	0.12	—	103	103	< 0.005	< 0.005	0.06	103
Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.04	—	119	119	0.01	0.02	0.05	124
Hauling	0.14	0.03	2.18	0.99	0.02	0.03	2.08	2.11	0.03	0.54	0.56	—	1,851	1,851	0.10	0.29	0.77	1,940
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.05	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	17.0	17.0	< 0.005	< 0.005	0.01	17.1
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	19.7	19.7	< 0.005	< 0.005	0.01	20.6
Hauling	0.02	0.01	0.40	0.18	< 0.005	0.01	0.38	0.39	0.01	0.10	0.10	—	306	306	0.02	0.05	0.13	321

3.48. 3-L (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.19	1.25	5.70	0.01	0.05	—	0.05	0.05	—	0.05	—	1,064	1,064	0.04	0.01	—	1,068
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.19	1.25	5.70	0.01	0.05	—	0.05	0.05	—	0.05	—	1,064	1,064	0.04	0.01	—	1,068
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.37	1.70	< 0.005	0.01	—	0.01	0.01	—	0.01	—	317	317	0.01	< 0.005	—	318
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	52.4	52.4	< 0.005	< 0.005	—	52.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.06	1.19	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	369	369	< 0.005	< 0.005	0.49	370
Vendor	0.03	0.01	0.45	0.24	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	400	400	0.02	0.06	0.36	418
Hauling	0.46	0.11	7.06	3.31	0.05	0.10	7.12	7.22	0.10	1.83	1.93	—	6,220	6,220	0.35	0.98	5.99	6,525
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	1.01	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	342	342	0.01	< 0.005	0.01	343
Vendor	0.03	0.01	0.47	0.25	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	400	400	0.02	0.06	0.01	418
Hauling	0.46	0.10	7.49	3.34	0.05	0.10	7.12	7.22	0.10	1.83	1.93	—	6,223	6,223	0.35	0.98	0.16	6,522
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.30	0.00	0.00	0.50	0.50	0.00	0.12	0.12	—	103	103	< 0.005	< 0.005	0.06	103
Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.04	—	119	119	0.01	0.02	0.05	124
Hauling	0.14	0.03	2.18	0.99	0.02	0.03	2.08	2.11	0.03	0.54	0.56	—	1,851	1,851	0.10	0.29	0.77	1,940
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.05	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	17.0	17.0	< 0.005	< 0.005	0.01	17.1
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	19.7	19.7	< 0.005	< 0.005	0.01	20.6
Hauling	0.02	0.01	0.40	0.18	< 0.005	0.01	0.38	0.39	0.01	0.10	0.10	—	306	306	0.02	0.05	0.13	321

3.49. 3-N (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.43	0.36	3.65	6.43	0.01	0.09	—	0.09	0.08	—	0.08	—	991	991	0.04	0.01	—	994
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	0.36	3.65	6.43	0.01	0.09	—	0.09	0.08	—	0.08	—	991	991	0.04	0.01	—	994
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.09	0.87	1.53	< 0.005	0.02	—	0.02	0.02	—	0.02	—	236	236	0.01	< 0.005	—	237
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	0.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	39.1	39.1	< 0.005	< 0.005	—	39.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	1.12	0.00	0.00	1.60	1.60	0.00	0.39	0.39	—	346	346	< 0.005	< 0.005	0.46	348
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	0.95	0.00	0.00	1.60	1.60	0.00	0.39	0.39	—	321	321	0.01	< 0.005	0.01	322
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.22	0.00	0.00	0.37	0.37	0.00	0.09	0.09	—	77.4	77.4	< 0.005	< 0.005	0.05	77.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	12.8	12.8	< 0.005	< 0.005	0.01	12.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.50. 3-N (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.14	1.30	6.89	0.01	0.03	—	0.03	0.03	—	0.03	—	991	991	0.04	0.01	—	994
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.15	0.14	1.30	6.89	0.01	0.03	—	0.03	0.03	—	0.03	—	991	991	0.04	0.01	—	994
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.31	1.64	< 0.005	0.01	—	0.01	0.01	—	0.01	—	236	236	0.01	< 0.005	—	237
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	39.1	39.1	< 0.005	< 0.005	—	39.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	1.12	0.00	0.00	1.60	1.60	0.00	0.39	0.39	—	346	346	< 0.005	< 0.005	0.46	348
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	0.95	0.00	0.00	1.60	1.60	0.00	0.39	0.39	—	321	321	0.01	< 0.005	0.01	322
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02	0.02	0.01	0.22	0.00	0.00	0.37	0.37	0.00	0.09	0.09	—	77.4	77.4	< 0.005	< 0.005	0.05	77.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	12.8	12.8	< 0.005	< 0.005	0.01	12.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.51. 3-Q (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.18	1.83	16.9	31.0	0.04	0.62	—	0.62	0.57	—	0.57	—	4,744	4,744	0.19	0.04	—	4,760
Architectural Coatings	0.84	0.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.18	1.83	16.9	31.0	0.04	0.62	—	0.62	0.57	—	0.57	—	4,744	4,744	0.19	0.04	—	4,760

Architect Coatings	0.84	0.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.44	4.02	7.38	0.01	0.15	—	0.15	0.14	—	0.14	—	1,131	1,131	0.05	0.01	—	1,135
Architectural Coatings	0.20	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.73	1.35	< 0.005	0.03	—	0.03	0.02	—	0.02	—	187	187	0.01	< 0.005	—	188
Architectural Coatings	0.04	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.83	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	258	258	< 0.005	< 0.005	0.34	259

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.71	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	239	239	< 0.005	< 0.005	0.01	240
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	57.6	57.6	< 0.005	< 0.005	0.04	57.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.54	9.54	< 0.005	< 0.005	0.01	9.58
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.52. 3-Q (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.46	3.52	33.2	0.04	0.09	—	0.09	0.09	—	0.09	—	4,744	4,744	0.19	0.04	—	4,760

Architectural Coatings	0.84	0.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.46	3.52	33.2	0.04	0.09	—	0.09	0.09	—	0.09	—	4,744	4,744	0.19	0.04	—	4,760
Architectural Coatings	0.84	0.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.84	7.91	0.01	0.02	—	0.02	0.02	—	0.02	—	1,131	1,131	0.05	0.01	—	1,135
Architectural Coatings	0.20	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.02	0.02	0.15	1.44	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	187	187	0.01	< 0.005	—	188
Architectural Coatings	0.04	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.83	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	258	258	< 0.005	< 0.005	0.34	259
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.71	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	239	239	< 0.005	< 0.005	0.01	240
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	57.6	57.6	< 0.005	< 0.005	0.04	57.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.54	9.54	< 0.005	< 0.005	0.01	9.58
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.53. 3-E-1 (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.16	0.97	16.5	18.6	0.03	0.09	—	0.09	0.09	—	0.09	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	11.6	11.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	1.00	1.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	202	202	0.01	< 0.005	—	202
Architectural Coatings	0.71	0.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.01	0.18	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	33.4	33.4	< 0.005	< 0.005	—	33.5
Architectural Coatings	0.13	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	1.01	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	342	342	0.01	< 0.005	0.01	343
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	20.9	20.9	< 0.005	< 0.005	0.01	21.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.47	3.47	< 0.005	< 0.005	< 0.005	3.48
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.54. 3-E-1 (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	5.17	5.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.31	0.31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Architectural Coating	0.06	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	1.01	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	342	342	0.01	< 0.005	0.01	343
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	20.9	20.9	< 0.005	< 0.005	0.01	21.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.47	3.47	< 0.005	< 0.005	< 0.005	3.48
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.55. 3-E-1 (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.15	0.96	16.4	18.6	0.03	0.09	—	0.09	0.08	—	0.08	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	11.6	11.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.15	0.96	16.4	18.6	0.03	0.09	—	0.09	0.08	—	0.08	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	11.6	11.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	0.40	6.88	7.80	0.01	0.04	—	0.04	0.03	—	0.03	—	1,392	1,392	0.06	0.01	—	1,397
Architectural Coatings	4.87	4.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	1.26	1.42	< 0.005	0.01	—	0.01	0.01	—	0.01	—	230	230	0.01	< 0.005	—	231

Architect Coatings	0.89	0.89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	1.14	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	365	365	< 0.005	< 0.005	0.42	367
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	0.97	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	338	338	0.01	< 0.005	0.01	339
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.40	0.00	0.00	0.70	0.70	0.00	0.17	0.17	—	143	143	< 0.005	< 0.005	0.08	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	23.7	23.7	< 0.005	< 0.005	0.01	23.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.56. 3-E-1 (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	5.17	5.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	5.17	5.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	2.16	2.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.39	0.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	1.14	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	365	365	< 0.005	< 0.005	0.42	367
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	0.97	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	338	338	0.01	< 0.005	0.01	339
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.40	0.00	0.00	0.70	0.70	0.00	0.17	0.17	—	143	143	< 0.005	< 0.005	0.08	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	23.7	23.7	< 0.005	< 0.005	0.01	23.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.57. 3-E-2 (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.15	0.96	16.4	18.6	0.03	0.09	—	0.09	0.08	—	0.08	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	11.6	11.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.15	0.96	16.4	18.6	0.03	0.09	—	0.09	0.08	—	0.08	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	11.6	11.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55	0.46	7.88	8.93	0.02	0.04	—	0.04	0.04	—	0.04	—	1,593	1,593	0.06	0.01	—	1,599

Architect Coatings	5.57	5.57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	1.44	1.63	< 0.005	0.01	—	0.01	0.01	—	0.01	—	264	264	0.01	< 0.005	—	265
Architectural Coatings	1.02	1.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	1.14	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	365	365	< 0.005	< 0.005	0.42	367
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	0.97	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	338	338	0.01	< 0.005	0.01	339
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.46	0.00	0.00	0.80	0.80	0.00	0.20	0.20	—	164	164	< 0.005	< 0.005	0.09	165
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	27.1	27.1	< 0.005	< 0.005	0.01	27.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.58. 3-E-2 (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	5.17	5.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	5.17	5.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	2.48	2.48	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.45	0.45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	1.14	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	365	365	< 0.005	< 0.005	0.42	367
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	0.97	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	338	338	0.01	< 0.005	0.01	339
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.46	0.00	0.00	0.80	0.80	0.00	0.20	0.20	—	164	164	< 0.005	< 0.005	0.09	165
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	27.1	27.1	< 0.005	< 0.005	0.01	27.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.59. 3-M (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	62.1	62.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	62.1	62.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.18	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.8	31.8	< 0.005	< 0.005	—	31.9
Architectural Coatings	14.8	14.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.27	5.27	< 0.005	< 0.005	—	5.29
Architectural Coatings	2.70	2.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.31	0.00	0.00	0.44	0.44	0.00	0.11	0.11	—	95.8	95.8	< 0.005	< 0.005	0.13	96.2

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.26	0.00	0.00	0.44	0.44	0.00	0.11	0.11	—	88.8	88.8	< 0.005	< 0.005	< 0.005	89.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.10	0.10	0.00	0.03	0.03	—	21.4	21.4	< 0.005	< 0.005	0.01	21.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.54	3.54	< 0.005	< 0.005	< 0.005	3.56
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.60. 3-M (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Architectural Coatings	29.6	29.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	29.6	29.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	7.05	7.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Architectural Coating	1.29	1.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.31	0.00	0.00	0.44	0.44	0.00	0.11	0.11	—	95.8	95.8	< 0.005	< 0.005	0.13	96.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.26	0.00	0.00	0.44	0.44	0.00	0.11	0.11	—	88.8	88.8	< 0.005	< 0.005	< 0.005	89.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.10	0.10	0.00	0.03	0.03	—	21.4	21.4	< 0.005	< 0.005	0.01	21.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.54	3.54	< 0.005	< 0.005	< 0.005	3.56
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.61. 3-D-1-B (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.84	2.36	20.2	20.0	0.04	0.66	—	0.66	0.61	—	0.61	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.42	3.60	3.57	0.01	0.12	—	0.12	0.11	—	0.11	—	618	618	0.03	0.01	—	620
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.66	0.65	< 0.005	0.02	—	0.02	0.02	—	0.02	—	102	102	< 0.005	< 0.005	—	103
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.44	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	140	140	< 0.005	< 0.005	0.01	140

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	25.2	25.2	< 0.005	< 0.005	0.02	25.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.16	4.16	< 0.005	< 0.005	< 0.005	4.18
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.62. 3-D-1-B (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.38	2.00	17.1	20.4	0.04	0.59	—	0.59	0.54	—	0.54	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.42	0.36	3.05	3.64	0.01	0.11	—	0.11	0.10	—	0.10	—	618	618	0.03	0.01	—	620
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.56	0.66	< 0.005	0.02	—	0.02	0.02	—	0.02	—	102	102	< 0.005	< 0.005	—	103
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.44	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	140	140	< 0.005	< 0.005	0.01	140
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	25.2	25.2	< 0.005	< 0.005	0.02	25.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.16	4.16	< 0.005	< 0.005	< 0.005	4.18
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.63. 3-D-2-B (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.83	2.35	20.2	20.0	0.04	0.65	—	0.65	0.60	—	0.60	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.83	2.35	20.2	20.0	0.04	0.65	—	0.65	0.60	—	0.60	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	0.41	3.48	3.46	0.01	0.11	—	0.11	0.10	—	0.10	—	599	599	0.02	< 0.005	—	601
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.64	0.63	< 0.005	0.02	—	0.02	0.02	—	0.02	—	99.1	99.1	< 0.005	< 0.005	—	99.5

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.49	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	149	149	< 0.005	< 0.005	0.23	150
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.42	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	138	138	< 0.005	< 0.005	0.01	139
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	24.1	24.1	< 0.005	< 0.005	0.02	24.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	3.99	3.99	< 0.005	< 0.005	< 0.005	4.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.64. 3-D-2-B (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.38	2.00	17.1	20.4	0.04	0.59	—	0.59	0.54	—	0.54	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.38	2.00	17.1	20.4	0.04	0.59	—	0.59	0.54	—	0.54	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	0.35	2.96	3.53	0.01	0.10	—	0.10	0.09	—	0.09	—	599	599	0.02	< 0.005	—	601
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.54	0.64	< 0.005	0.02	—	0.02	0.02	—	0.02	—	99.1	99.1	< 0.005	< 0.005	—	99.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.04	0.04	0.02	0.49	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	149	149	< 0.005	< 0.005	0.23	150
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.42	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	138	138	< 0.005	< 0.005	0.01	139
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	24.1	24.1	< 0.005	< 0.005	0.02	24.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	3.99	3.99	< 0.005	< 0.005	< 0.005	4.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.65. 3-F (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.00	1.68	14.9	26.9	0.04	0.60	—	0.60	0.55	—	0.55	—	4,113	4,113	0.17	0.03	—	4,127

Demolition	—	—	—	—	—	—	1.44	1.44	—	0.22	0.22	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.00	1.68	14.9	26.9	0.04	0.60	—	0.60	0.55	—	0.55	—	4,113	4,113	0.17	0.03	—	4,127
Demolition	—	—	—	—	—	—	1.44	1.44	—	0.22	0.22	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.37	0.31	2.73	4.94	0.01	0.11	—	0.11	0.10	—	0.10	—	755	755	0.03	0.01	—	757
Demolition	—	—	—	—	—	—	0.26	0.26	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.50	0.90	< 0.005	0.02	—	0.02	0.02	—	0.02	—	125	125	0.01	< 0.005	—	125
Demolition	—	—	—	—	—	—	0.05	0.05	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.74	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	224	224	< 0.005	< 0.005	0.34	225
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.33	0.63	0.01	0.02	1.30	1.32	0.02	0.33	0.35	—	1,161	1,161	0.06	0.19	1.27	1,220
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.63	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	207	207	< 0.005	< 0.005	0.01	208
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.39	0.64	0.01	0.02	1.30	1.32	0.02	0.33	0.35	—	1,162	1,162	0.06	0.19	0.03	1,219
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.18	0.18	0.00	0.05	0.05	—	38.4	38.4	< 0.005	< 0.005	0.03	38.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.25	0.12	< 0.005	< 0.005	0.23	0.24	< 0.005	0.06	0.06	—	213	213	0.01	0.03	0.10	224
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.36	6.36	< 0.005	< 0.005	< 0.005	6.39
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	35.3	35.3	< 0.005	0.01	0.02	37.0

3.66. 3-F (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Demolition	—	—	—	—	—	—	0.92	0.92	—	0.14	0.14	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Demolition	—	—	—	—	—	—	0.92	0.92	—	0.14	0.14	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.59	5.27	0.01	0.01	—	0.01	0.01	—	0.01	—	755	755	0.03	0.01	—	757
Demolition	—	—	—	—	—	—	0.17	0.17	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	125	125	0.01	< 0.005	—	125
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.74	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	224	224	< 0.005	< 0.005	0.34	225
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.33	0.63	0.01	0.02	1.30	1.32	0.02	0.33	0.35	—	1,161	1,161	0.06	0.19	1.27	1,220
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.63	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	207	207	< 0.005	< 0.005	0.01	208
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.39	0.64	0.01	0.02	1.30	1.32	0.02	0.33	0.35	—	1,162	1,162	0.06	0.19	0.03	1,219
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.18	0.18	0.00	0.05	0.05	—	38.4	38.4	< 0.005	< 0.005	0.03	38.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.25	0.12	< 0.005	< 0.005	0.23	0.24	< 0.005	0.06	0.06	—	213	213	0.01	0.03	0.10	224
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.36	6.36	< 0.005	< 0.005	< 0.005	6.39
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	35.3	35.3	< 0.005	0.01	0.02	37.0

3.67. 3-G (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	2.00	1.68	14.9	26.9	0.04	0.60	—	0.60	0.55	—	0.55	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.00	1.68	14.9	26.9	0.04	0.60	—	0.60	0.55	—	0.55	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	0.61	5.38	9.73	0.01	0.22	—	0.22	0.20	—	0.20	—	1,487	1,487	0.06	0.01	—	1,492
Dust From Material Movemer	—	—	—	—	—	—	1.15	1.15	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.98	1.78	< 0.005	0.04	—	0.04	0.04	—	0.04	—	246	246	0.01	< 0.005	—	247

Dust From Material Movemer	—	—	—	—	—	—	0.21	0.21	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.74	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	224	224	< 0.005	< 0.005	0.34	225
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	20.7	20.7	< 0.005	< 0.005	0.02	21.7
Hauling	0.02	< 0.005	0.27	0.13	< 0.005	< 0.005	0.26	0.27	< 0.005	0.07	0.07	—	237	237	0.01	0.04	0.26	249
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.63	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	207	207	< 0.005	< 0.005	0.01	208
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	20.7	20.7	< 0.005	< 0.005	< 0.005	21.7
Hauling	0.02	< 0.005	0.28	0.13	< 0.005	< 0.005	0.26	0.27	< 0.005	0.07	0.07	—	237	237	0.01	0.04	0.01	249
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.23	0.00	0.00	0.36	0.36	0.00	0.09	0.09	—	75.7	75.7	< 0.005	< 0.005	0.05	76.0
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	7.49	7.49	< 0.005	< 0.005	< 0.005	7.84
Hauling	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.09	0.10	< 0.005	0.02	0.03	—	85.8	85.8	< 0.005	0.01	0.04	90.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	12.5	12.5	< 0.005	< 0.005	0.01	12.6
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.24	1.24	< 0.005	< 0.005	< 0.005	1.30
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	14.2	14.2	< 0.005	< 0.005	0.01	14.9

3.68. 3-G (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	1.16	10.4	0.01	0.03	—	0.03	0.03	—	0.03	—	1,487	1,487	0.06	0.01	—	1,492
Dust From Material Movemer	—	—	—	—	—	—	0.45	0.45	—	0.05	0.05	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.21	1.90	< 0.005	0.01	—	0.01	0.01	—	0.01	—	246	246	0.01	< 0.005	—	247
Dust From Material Movemer	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.74	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	224	224	< 0.005	< 0.005	0.34	225
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	20.7	20.7	< 0.005	< 0.005	0.02	21.7
Hauling	0.02	< 0.005	0.27	0.13	< 0.005	< 0.005	0.26	0.27	< 0.005	0.07	0.07	—	237	237	0.01	0.04	0.26	249
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.63	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	207	207	< 0.005	< 0.005	0.01	208
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	20.7	20.7	< 0.005	< 0.005	< 0.005	21.7
Hauling	0.02	< 0.005	0.28	0.13	< 0.005	< 0.005	0.26	0.27	< 0.005	0.07	0.07	—	237	237	0.01	0.04	0.01	249
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.23	0.00	0.00	0.36	0.36	0.00	0.09	0.09	—	75.7	75.7	< 0.005	< 0.005	0.05	76.0
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	7.49	7.49	< 0.005	< 0.005	< 0.005	7.84
Hauling	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.09	0.10	< 0.005	0.02	0.03	—	85.8	85.8	< 0.005	0.01	0.04	90.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	12.5	12.5	< 0.005	< 0.005	0.01	12.6

Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.24	1.24	< 0.005	< 0.005	< 0.005	1.30
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	14.2	14.2	< 0.005	< 0.005	0.01	14.9

3.69. 3-H (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.00	1.68	14.9	26.9	0.04	0.60	—	0.60	0.55	—	0.55	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.19	3.19	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.90	1.63	< 0.005	0.04	—	0.04	0.03	—	0.03	—	249	249	0.01	< 0.005	—	250
Dust From Material Movemer	—	—	—	—	—	—	0.19	0.19	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	41.3	41.3	< 0.005	< 0.005	—	41.4
Dust From Material Movemer	—	—	—	—	—	—	0.04	0.04	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.63	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	207	207	< 0.005	< 0.005	0.01	208
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.82	0.37	0.01	0.01	0.76	0.77	0.01	0.20	0.21	—	683	683	0.04	0.11	0.02	717
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	12.7	12.7	< 0.005	< 0.005	0.01	12.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	41.4	41.4	< 0.005	0.01	0.02	43.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.10	2.10	< 0.005	< 0.005	< 0.005	2.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	6.86	6.86	< 0.005	< 0.005	< 0.005	7.20

3.70. 3-H (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.19	1.74	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	249	249	0.01	< 0.005	—	250
Dust From Material Movemer	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.3	41.3	< 0.005	< 0.005	—	41.4

Dust From Material Movemer	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.63	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	207	207	< 0.005	< 0.005	0.01	208
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.82	0.37	0.01	0.01	0.76	0.77	0.01	0.20	0.21	—	683	683	0.04	0.11	0.02	717
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	12.7	12.7	< 0.005	< 0.005	0.01	12.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	41.4	41.4	< 0.005	0.01	0.02	43.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.10	2.10	< 0.005	< 0.005	< 0.005	2.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	6.86	6.86	< 0.005	< 0.005	< 0.005	7.20

3.71. 3-H (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.94	1.63	14.6	26.9	0.04	0.56	—	0.56	0.51	—	0.51	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.19	3.19	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.94	1.63	14.6	26.9	0.04	0.56	—	0.56	0.51	—	0.51	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.19	3.19	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	0.49	4.35	7.99	0.01	0.17	—	0.17	0.15	—	0.15	—	1,223	1,223	0.05	0.01	—	1,227
Dust From Material Movemer	—	—	—	—	—	—	0.95	0.95	—	0.10	0.10	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.79	1.46	< 0.005	0.03	—	0.03	0.03	—	0.03	—	203	203	0.01	< 0.005	—	203
Dust From Material Movemer	—	—	—	—	—	—	0.17	0.17	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.71	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	221	221	< 0.005	< 0.005	0.30	222
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.76	0.36	0.01	0.01	0.76	0.77	0.01	0.20	0.21	—	667	667	0.04	0.10	0.64	700
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.61	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	205	205	< 0.005	< 0.005	0.01	206
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.80	0.36	0.01	0.01	0.76	0.77	0.01	0.20	0.21	—	667	667	0.04	0.10	0.02	699
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.18	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	61.6	61.6	< 0.005	< 0.005	0.04	61.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.23	0.11	< 0.005	< 0.005	0.22	0.23	< 0.005	0.06	0.06	—	198	198	0.01	0.03	0.08	208
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.2	10.2	< 0.005	< 0.005	0.01	10.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	32.8	32.8	< 0.005	0.01	0.01	34.4

3.72. 3-H (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.12	0.95	8.55	0.01	0.02	—	0.02	0.02	—	0.02	—	1,223	1,223	0.05	0.01	—	1,227

Dust From Material Movemer	—	—	—	—	—	—	0.37	0.37	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.17	1.56	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	203	203	0.01	< 0.005	—	203
Dust From Material Movemer	—	—	—	—	—	—	0.07	0.07	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.71	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	221	221	< 0.005	< 0.005	0.30	222
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.76	0.36	0.01	0.01	0.76	0.77	0.01	0.20	0.21	—	667	667	0.04	0.10	0.64	700
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.61	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	205	205	< 0.005	< 0.005	0.01	206
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.80	0.36	0.01	0.01	0.76	0.77	0.01	0.20	0.21	—	667	667	0.04	0.10	0.02	699
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.18	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	61.6	61.6	< 0.005	< 0.005	0.04	61.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.01	< 0.005	0.23	0.11	< 0.005	< 0.005	0.22	0.23	< 0.005	0.06	0.06	—	198	198	0.01	0.03	0.08	208
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.2	10.2	< 0.005	< 0.005	0.01	10.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	32.8	32.8	< 0.005	0.01	0.01	34.4

3.73. 3-I (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.18	1.83	16.9	31.0	0.04	0.62	—	0.62	0.57	—	0.57	—	4,744	4,744	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.18	1.83	16.9	31.0	0.04	0.62	—	0.62	0.57	—	0.57	—	4,744	4,744	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.44	4.02	7.38	0.01	0.15	—	0.15	0.14	—	0.14	—	1,131	1,131	0.05	0.01	—	1,135

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.73	1.35	< 0.005	0.03	—	0.03	0.02	—	0.02	—	187	187	0.01	< 0.005	—	188
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.83	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	258	258	< 0.005	< 0.005	0.34	259
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.71	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	239	239	< 0.005	< 0.005	0.01	240
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	57.6	57.6	< 0.005	< 0.005	0.04	57.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.54	9.54	< 0.005	< 0.005	0.01	9.58
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.74. 3-I (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.46	3.52	33.2	0.04	0.09	—	0.09	0.09	—	0.09	—	4,744	4,744	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.46	3.52	33.2	0.04	0.09	—	0.09	0.09	—	0.09	—	4,744	4,744	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.84	7.91	0.01	0.02	—	0.02	0.02	—	0.02	—	1,131	1,131	0.05	0.01	—	1,135
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	1.44	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	187	187	0.01	< 0.005	—	188

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.83	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	258	258	< 0.005	< 0.005	0.34	259
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.71	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	239	239	< 0.005	< 0.005	0.01	240
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	57.6	57.6	< 0.005	< 0.005	0.04	57.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.54	9.54	< 0.005	< 0.005	0.01	9.58
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
3-C	Demolition	6/1/2033	9/1/2033	5.00	67.0	—

3-A	Site Preparation	6/1/2033	9/1/2033	5.00	67.0	—
3-P	Site Preparation	2/1/2035	6/1/2035	5.00	87.0	—
3-K	Site Preparation	9/1/2033	12/1/2033	5.00	66.0	—
3-B	Grading	9/1/2033	6/1/2034	5.00	196	—
3-O	Grading	12/1/2034	2/1/2035	5.00	45.0	—
3-J	Grading	7/1/2033	9/1/2033	5.00	45.0	—
3-D-1-A	Building Construction	10/1/2033	12/31/2033	5.00	65.0	—
3-D-1-C	Building Construction	1/1/2034	2/2/2036	5.00	545	—
3-D-2-A	Building Construction	2/1/2034	4/30/2034	5.00	63.0	—
3-D-2-C	Building Construction	5/1/2034	6/1/2036	5.00	545	—
3-R	Building Construction	6/1/2033	12/1/2036	5.00	914	—
3-L	Building Construction	12/1/2033	6/1/2035	5.00	392	—
3-N	Building Construction	2/1/2035	6/1/2035	5.00	87.0	—
3-Q	Paving	6/1/2035	10/1/2035	5.00	87.0	—
3-E-1	Architectural Coating	12/1/2035	8/1/2036	5.00	175	—
3-E-2	Architectural Coating	4/1/2036	12/1/2036	5.00	175	—
3-M	Architectural Coating	2/1/2035	6/1/2035	5.00	87.0	—
3-D-1-B	Trenching	10/1/2033	12/31/2033	5.00	65.0	—
3-D-2-B	Trenching	2/1/2034	4/30/2034	5.00	63.0	—
3-F	Linear, Grubbing & Land Clearing	3/1/2034	6/1/2034	5.00	67.0	—
3-G	Linear, Grading & Excavation	6/1/2034	12/1/2034	5.00	132	—
3-H	Linear, Drainage, Utilities, & Sub-Grade	12/1/2034	6/1/2035	5.00	131	—
3-I	Linear, Paving	6/1/2035	10/1/2035	5.00	87.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
3-C	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
3-C	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
3-C	Concrete/Industrial Saws	Diesel	Average	4.00	4.00	33.0	0.73
3-C	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
3-A	Excavators	Diesel	Average	8.00	8.00	36.0	0.38
3-A	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
3-P	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
3-P	Graders	Diesel	Average	2.00	8.00	148	0.41
3-P	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
3-P	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
3-P	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
3-K	Rubber Tired Dozers	Diesel	Average	1.00	7.00	367	0.40
3-K	Tractors/Loaders/Back hoes	Diesel	Average	1.00	8.00	84.0	0.37
3-K	Graders	Diesel	Average	1.00	8.00	148	0.41
3-B	Excavators	Diesel	Average	8.00	8.00	36.0	0.38
3-B	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
3-O	Graders	Diesel	Average	2.00	8.00	148	0.41
3-O	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
3-O	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
3-O	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
3-O	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
3-J	Graders	Diesel	Average	1.00	8.00	148	0.41

3-J	Tractors/Loaders/Back hoes	Diesel	Average	2.00	7.00	84.0	0.37
3-J	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
3-D-1-C	Cranes	Diesel	Average	7.00	8.00	367	0.29
3-D-1-C	Welders	Diesel	Average	12.0	8.00	46.0	0.45
3-D-1-C	Aerial Lifts	Diesel	Average	18.0	6.00	46.0	0.31
3-D-1-C	Air Compressors	Diesel	Average	6.00	2.00	37.0	0.48
3-D-1-C	Rough Terrain Forklifts	Diesel	Average	10.0	4.00	96.0	0.40
3-D-2-C	Cranes	Diesel	Average	7.00	8.00	367	0.29
3-D-2-C	Welders	Diesel	Average	12.0	8.00	46.0	0.45
3-D-2-C	Aerial Lifts	Diesel	Average	18.0	6.00	46.0	0.31
3-D-2-C	Air Compressors	Diesel	Average	6.00	2.00	37.0	0.48
3-D-2-C	Rough Terrain Forklifts	Diesel	Average	10.0	4.00	96.0	0.40
3-L	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
3-L	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
3-L	Cranes	Diesel	Average	1.00	6.00	367	0.29
3-L	Welders	Diesel	Average	3.00	8.00	46.0	0.45
3-L	Tractors/Loaders/Back hoes	Diesel	Average	1.00	6.00	84.0	0.37
3-N	Tractors/Loaders/Back hoes	Diesel	Average	1.00	8.00	84.0	0.37
3-N	Pavers	Diesel	Average	1.00	6.00	81.0	0.42
3-N	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
3-N	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
3-N	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
3-Q	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
3-Q	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
3-Q	Graders	Diesel	Average	2.00	8.00	148	0.41

3-Q	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
3-Q	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
3-Q	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
3-E-1	Air Compressors	Diesel	Average	5.00	4.00	37.0	0.48
3-E-1	Aerial Lifts	Diesel	Average	13.0	12.0	46.0	0.31
3-E-2	Air Compressors	Diesel	Average	5.00	4.00	37.0	0.48
3-E-2	Aerial Lifts	Diesel	Average	13.0	12.0	46.0	0.31
3-M	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
3-D-1-B	Tractors/Loaders/Back hoes	Diesel	Average	6.00	5.00	84.0	0.37
3-D-1-B	Excavators	Diesel	Average	6.00	4.00	36.0	0.38
3-D-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
3-D-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
3-D-2-B	Tractors/Loaders/Back hoes	Diesel	Average	6.00	5.00	84.0	0.37
3-D-2-B	Excavators	Diesel	Average	6.00	4.00	36.0	0.38
3-D-2-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
3-D-2-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
3-F	Graders	Diesel	Average	2.00	8.00	148	0.41
3-F	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
3-F	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
3-F	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
3-F	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
3-G	Graders	Diesel	Average	2.00	8.00	148	0.41
3-G	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
3-G	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
3-G	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43

3-G	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
3-H	Graders	Diesel	Average	2.00	8.00	148	0.41
3-H	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
3-H	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
3-H	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
3-H	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
3-I	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
3-I	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
3-I	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
3-I	Graders	Diesel	Average	2.00	8.00	148	0.41
3-I	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
3-I	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
3-C	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
3-C	Excavators	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
3-C	Concrete/Industrial Saws	Diesel	Tier 4 Final	4.00	4.00	33.0	0.73
3-C	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
3-A	Excavators	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
3-A	Excavators	Electric	Average	4.00	8.00	36.0	0.38
3-A	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
3-P	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
3-P	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
3-P	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38

3-P	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
3-P	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
3-K	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	7.00	367	0.40
3-K	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
3-K	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
3-B	Excavators	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
3-B	Excavators	Electric	Average	4.00	8.00	36.0	0.38
3-B	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
3-O	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
3-O	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
3-O	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
3-O	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
3-O	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
3-J	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
3-J	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	84.0	0.37
3-J	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
3-D-1-C	Cranes	Diesel	Tier 4 Final	7.00	8.00	367	0.29
3-D-1-C	Welders	Electric	Average	12.0	8.00	46.0	0.45
3-D-1-C	Aerial Lifts	Electric	Average	18.0	6.00	46.0	0.31
3-D-1-C	Air Compressors	Electric	Average	6.00	2.00	37.0	0.48
3-D-1-C	Rough Terrain Forklifts	Diesel	Tier 4 Final	10.0	4.00	96.0	0.40
3-D-2-C	Cranes	Diesel	Tier 4 Final	7.00	8.00	367	0.29
3-D-2-C	Welders	Electric	Average	12.0	8.00	46.0	0.45
3-D-2-C	Aerial Lifts	Electric	Average	18.0	6.00	46.0	0.31
3-D-2-C	Air Compressors	Electric	Average	6.00	2.00	37.0	0.48
3-D-2-C	Rough Terrain Forklifts	Diesel	Tier 4 Final	10.0	4.00	96.0	0.40

3-L	Forklifts	Electric	Average	1.00	6.00	82.0	0.20
3-L	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
3-L	Cranes	Diesel	Tier 4 Final	1.00	6.00	367	0.29
3-L	Welders	Electric	Average	3.00	8.00	46.0	0.45
3-L	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	6.00	84.0	0.37
3-N	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
3-N	Pavers	Diesel	Tier 4 Final	1.00	6.00	81.0	0.42
3-N	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
3-N	Rollers	Diesel	Tier 4 Final	1.00	7.00	36.0	0.38
3-N	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
3-Q	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
3-Q	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
3-Q	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
3-Q	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
3-Q	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
3-Q	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
3-E-1	Air Compressors	Electric	Average	5.00	4.00	37.0	0.48
3-E-1	Aerial Lifts	Electric	Average	13.0	12.0	46.0	0.31
3-E-2	Air Compressors	Electric	Average	5.00	4.00	37.0	0.48
3-E-2	Aerial Lifts	Electric	Average	13.0	12.0	46.0	0.31
3-M	Air Compressors	Electric	Average	1.00	6.00	37.0	0.48
3-D-1-B	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	6.00	5.00	84.0	0.37
3-D-1-B	Excavators	Diesel	Tier 4 Final	6.00	4.00	36.0	0.38
3-D-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
3-D-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43

3-D-2-B	Tractors/Loaders/Back	Diesel	Tier 4 Final	6.00	5.00	84.0	0.37
3-D-2-B	Excavators	Diesel	Tier 4 Final	6.00	4.00	36.0	0.38
3-D-2-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
3-D-2-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
3-F	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
3-F	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
3-F	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
3-F	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
3-F	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
3-G	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
3-G	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
3-G	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
3-G	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
3-G	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
3-H	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
3-H	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
3-H	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
3-H	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
3-H	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
3-I	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
3-I	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
3-I	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
3-I	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
3-I	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
3-I	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
3-C	—	—	—	—
3-C	Worker	20.0	11.7	LDA,LDT1,LDT2
3-C	Vendor	0.00	8.40	HHDT,MHDT
3-C	Hauling	50.0	25.0	HHDT
3-C	Onsite truck	0.00	0.00	HHDT
3-A	—	—	—	—
3-A	Worker	30.0	11.7	LDA,LDT1,LDT2
3-A	Vendor	0.00	8.40	HHDT,MHDT
3-A	Hauling	18.0	25.0	HHDT
3-A	Onsite truck	0.00	0.00	HHDT
3-B	—	—	—	—
3-B	Worker	30.0	11.7	LDA,LDT1,LDT2
3-B	Vendor	0.00	8.40	HHDT,MHDT
3-B	Hauling	18.0	25.0	HHDT
3-B	Onsite truck	0.00	0.00	HHDT
3-D-1-A	—	—	—	—
3-D-1-A	Worker	50.0	11.7	LDA,LDT1,LDT2
3-D-1-A	Vendor	25.0	8.40	HHDT,MHDT
3-D-1-A	Hauling	0.00	20.0	HHDT
3-D-1-A	Onsite truck	0.00	0.00	HHDT
3-E-1	—	—	—	—
3-E-1	Worker	50.0	11.7	LDA,LDT1,LDT2
3-E-1	Vendor	0.00	8.40	HHDT,MHDT
3-E-1	Hauling	0.00	20.0	HHDT

3-E-1	Onsite truck	0.00	0.00	HHDT
3-F	—	—	—	—
3-F	Worker	30.0	11.7	LDA,LDT1,LDT2
3-F	Vendor	0.00	8.40	HHDT,MHDT
3-F	Hauling	16.6	25.0	HHDT
3-F	Onsite truck	0.00	0.00	HHDT
3-G	—	—	—	—
3-G	Worker	30.0	11.7	LDA,LDT1,LDT2
3-G	Vendor	1.00	8.40	HHDT,MHDT
3-G	Hauling	3.39	25.0	HHDT
3-G	Onsite truck	0.00	0.00	HHDT
3-H	—	—	—	—
3-H	Worker	30.0	11.7	LDA,LDT1,LDT2
3-H	Vendor	0.00	8.40	HHDT,MHDT
3-H	Hauling	9.76	25.0	HHDT
3-H	Onsite truck	0.00	0.00	HHDT
3-I	—	—	—	—
3-I	Worker	35.0	11.7	LDA,LDT1,LDT2
3-I	Vendor	0.00	8.40	HHDT,MHDT
3-I	Hauling	0.00	20.0	HHDT
3-I	Onsite truck	0.00	0.00	HHDT
3-P	—	—	—	—
3-P	Worker	30.0	11.7	LDA,LDT1,LDT2
3-P	Vendor	0.00	8.40	HHDT,MHDT
3-P	Hauling	0.00	20.0	HHDT
3-P	Onsite truck	0.00	0.00	HHDT
3-O	—	—	—	—
3-O	Worker	30.0	11.7	LDA,LDT1,LDT2

3-O	Vendor	0.00	8.40	HHDT,MHDT
3-O	Hauling	0.00	20.0	HHDT
3-O	Onsite truck	0.00	0.00	HHDT
3-D-1-C	—	—	—	—
3-D-1-C	Worker	80.0	11.7	LDA,LDT1,LDT2
3-D-1-C	Vendor	25.0	20.0	HHDT,MHDT
3-D-1-C	Hauling	0.00	20.0	HHDT
3-D-1-C	Onsite truck	0.00	0.00	HHDT
3-D-2-A	—	—	—	—
3-D-2-A	Worker	50.0	11.7	LDA,LDT1,LDT2
3-D-2-A	Vendor	25.0	8.40	HHDT,MHDT
3-D-2-A	Hauling	0.00	20.0	HHDT
3-D-2-A	Onsite truck	0.00	0.00	HHDT
3-D-2-C	—	—	—	—
3-D-2-C	Worker	80.0	11.7	LDA,LDT1,LDT2
3-D-2-C	Vendor	25.0	20.0	HHDT,MHDT
3-D-2-C	Hauling	0.00	20.0	HHDT
3-D-2-C	Onsite truck	0.00	0.00	HHDT
3-R	—	—	—	—
3-R	Worker	0.00	11.7	LDA,LDT1,LDT2
3-R	Vendor	0.00	8.40	HHDT,MHDT
3-R	Hauling	14.0	25.0	HHDT
3-R	Onsite truck	0.00	0.00	HHDT
3-Q	—	—	—	—
3-Q	Worker	35.0	11.7	LDA,LDT1,LDT2
3-Q	Vendor	0.00	8.40	HHDT,MHDT
3-Q	Hauling	0.00	20.0	HHDT
3-Q	Onsite truck	0.00	0.00	HHDT

3-E-2	—	—	—	—
3-E-2	Worker	50.0	11.7	LDA,LDT1,LDT2
3-E-2	Vendor	0.00	8.40	HHDT,MHDT
3-E-2	Hauling	0.00	20.0	HHDT
3-E-2	Onsite truck	0.00	0.00	HHDT
3-D-1-B	—	—	—	—
3-D-1-B	Worker	20.0	11.7	LDA,LDT1,LDT2
3-D-1-B	Vendor	0.00	8.40	HHDT,MHDT
3-D-1-B	Hauling	0.00	20.0	HHDT
3-D-1-B	Onsite truck	0.00	0.00	HHDT
3-D-2-B	—	—	—	—
3-D-2-B	Worker	20.0	11.7	LDA,LDT1,LDT2
3-D-2-B	Vendor	0.00	8.40	HHDT,MHDT
3-D-2-B	Hauling	0.00	20.0	HHDT
3-D-2-B	Onsite truck	0.00	0.00	HHDT
3-K	—	—	—	—
3-K	Worker	7.50	11.7	LDA,LDT1,LDT2
3-K	Vendor	0.00	8.40	HHDT,MHDT
3-K	Hauling	0.00	20.0	HHDT
3-K	Onsite truck	0.00	0.00	HHDT
3-J	—	—	—	—
3-J	Worker	10.0	11.7	LDA,LDT1,LDT2
3-J	Vendor	0.00	8.40	HHDT,MHDT
3-J	Hauling	0.00	20.0	HHDT
3-J	Onsite truck	0.00	0.00	HHDT
3-L	—	—	—	—
3-L	Worker	50.0	11.7	LDA,LDT1,LDT2
3-L	Vendor	20.0	8.40	HHDT,MHDT

3-L	Hauling	91.0	25.0	HHDT
3-L	Onsite truck	0.00	0.00	HHDT
3-N	—	—	—	—
3-N	Worker	47.0	11.7	LDA,LDT1,LDT2
3-N	Vendor	0.00	8.40	HHDT,MHDT
3-N	Hauling	0.00	20.0	HHDT
3-N	Onsite truck	0.00	0.00	HHDT
3-M	—	—	—	—
3-M	Worker	13.0	11.7	LDA,LDT1,LDT2
3-M	Vendor	0.00	8.40	HHDT,MHDT
3-M	Hauling	0.00	20.0	HHDT
3-M	Onsite truck	0.00	0.00	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
3-C	—	—	—	—
3-C	Worker	20.0	11.7	LDA,LDT1,LDT2
3-C	Vendor	0.00	8.40	HHDT,MHDT
3-C	Hauling	50.0	25.0	HHDT
3-C	Onsite truck	0.00	0.00	HHDT
3-A	—	—	—	—
3-A	Worker	30.0	11.7	LDA,LDT1,LDT2
3-A	Vendor	0.00	8.40	HHDT,MHDT
3-A	Hauling	18.0	25.0	HHDT
3-A	Onsite truck	0.00	0.00	HHDT
3-B	—	—	—	—
3-B	Worker	30.0	11.7	LDA,LDT1,LDT2
3-B	Vendor	0.00	8.40	HHDT,MHDT

3-B	Hauling	18.0	25.0	HHDT
3-B	Onsite truck	0.00	0.00	HHDT
3-D-1-A	—	—	—	—
3-D-1-A	Worker	50.0	11.7	LDA,LDT1,LDT2
3-D-1-A	Vendor	25.0	8.40	HHDT,MHDT
3-D-1-A	Hauling	0.00	20.0	HHDT
3-D-1-A	Onsite truck	0.00	0.00	HHDT
3-E-1	—	—	—	—
3-E-1	Worker	50.0	11.7	LDA,LDT1,LDT2
3-E-1	Vendor	0.00	8.40	HHDT,MHDT
3-E-1	Hauling	0.00	20.0	HHDT
3-E-1	Onsite truck	0.00	0.00	HHDT
3-F	—	—	—	—
3-F	Worker	30.0	11.7	LDA,LDT1,LDT2
3-F	Vendor	0.00	8.40	HHDT,MHDT
3-F	Hauling	16.6	25.0	HHDT
3-F	Onsite truck	0.00	0.00	HHDT
3-G	—	—	—	—
3-G	Worker	30.0	11.7	LDA,LDT1,LDT2
3-G	Vendor	1.00	8.40	HHDT,MHDT
3-G	Hauling	3.39	25.0	HHDT
3-G	Onsite truck	0.00	0.00	HHDT
3-H	—	—	—	—
3-H	Worker	30.0	11.7	LDA,LDT1,LDT2
3-H	Vendor	0.00	8.40	HHDT,MHDT
3-H	Hauling	9.76	25.0	HHDT
3-H	Onsite truck	0.00	0.00	HHDT
3-I	—	—	—	—

3-I	Worker	35.0	11.7	LDA,LDT1,LDT2
3-I	Vendor	0.00	8.40	HHDT,MHDT
3-I	Hauling	0.00	20.0	HHDT
3-I	Onsite truck	0.00	0.00	HHDT
3-P	—	—	—	—
3-P	Worker	30.0	11.7	LDA,LDT1,LDT2
3-P	Vendor	0.00	8.40	HHDT,MHDT
3-P	Hauling	0.00	20.0	HHDT
3-P	Onsite truck	0.00	0.00	HHDT
3-O	—	—	—	—
3-O	Worker	30.0	11.7	LDA,LDT1,LDT2
3-O	Vendor	0.00	8.40	HHDT,MHDT
3-O	Hauling	0.00	20.0	HHDT
3-O	Onsite truck	0.00	0.00	HHDT
3-D-1-C	—	—	—	—
3-D-1-C	Worker	80.0	11.7	LDA,LDT1,LDT2
3-D-1-C	Vendor	25.0	20.0	HHDT,MHDT
3-D-1-C	Hauling	0.00	20.0	HHDT
3-D-1-C	Onsite truck	0.00	0.00	HHDT
3-D-2-A	—	—	—	—
3-D-2-A	Worker	50.0	11.7	LDA,LDT1,LDT2
3-D-2-A	Vendor	25.0	8.40	HHDT,MHDT
3-D-2-A	Hauling	0.00	20.0	HHDT
3-D-2-A	Onsite truck	0.00	0.00	HHDT
3-D-2-C	—	—	—	—
3-D-2-C	Worker	80.0	11.7	LDA,LDT1,LDT2
3-D-2-C	Vendor	25.0	20.0	HHDT,MHDT
3-D-2-C	Hauling	0.00	20.0	HHDT

3-D-2-C	Onsite truck	0.00	0.00	HHDT
3-R	—	—	—	—
3-R	Worker	0.00	11.7	LDA,LDT1,LDT2
3-R	Vendor	0.00	8.40	HHDT,MHDT
3-R	Hauling	14.0	25.0	HHDT
3-R	Onsite truck	0.00	0.00	HHDT
3-Q	—	—	—	—
3-Q	Worker	35.0	11.7	LDA,LDT1,LDT2
3-Q	Vendor	0.00	8.40	HHDT,MHDT
3-Q	Hauling	0.00	20.0	HHDT
3-Q	Onsite truck	0.00	0.00	HHDT
3-E-2	—	—	—	—
3-E-2	Worker	50.0	11.7	LDA,LDT1,LDT2
3-E-2	Vendor	0.00	8.40	HHDT,MHDT
3-E-2	Hauling	0.00	20.0	HHDT
3-E-2	Onsite truck	0.00	0.00	HHDT
3-D-1-B	—	—	—	—
3-D-1-B	Worker	20.0	11.7	LDA,LDT1,LDT2
3-D-1-B	Vendor	0.00	8.40	HHDT,MHDT
3-D-1-B	Hauling	0.00	20.0	HHDT
3-D-1-B	Onsite truck	0.00	0.00	HHDT
3-D-2-B	—	—	—	—
3-D-2-B	Worker	20.0	11.7	LDA,LDT1,LDT2
3-D-2-B	Vendor	0.00	8.40	HHDT,MHDT
3-D-2-B	Hauling	0.00	20.0	HHDT
3-D-2-B	Onsite truck	0.00	0.00	HHDT
3-K	—	—	—	—
3-K	Worker	7.50	11.7	LDA,LDT1,LDT2

3-K	Vendor	0.00	8.40	HHDT,MHDT
3-K	Hauling	0.00	20.0	HHDT
3-K	Onsite truck	0.00	0.00	HHDT
3-J	—	—	—	—
3-J	Worker	10.0	11.7	LDA,LDT1,LDT2
3-J	Vendor	0.00	8.40	HHDT,MHDT
3-J	Hauling	0.00	20.0	HHDT
3-J	Onsite truck	0.00	0.00	HHDT
3-L	—	—	—	—
3-L	Worker	50.0	11.7	LDA,LDT1,LDT2
3-L	Vendor	20.0	8.40	HHDT,MHDT
3-L	Hauling	91.0	25.0	HHDT
3-L	Onsite truck	0.00	0.00	HHDT
3-N	—	—	—	—
3-N	Worker	47.0	11.7	LDA,LDT1,LDT2
3-N	Vendor	0.00	8.40	HHDT,MHDT
3-N	Hauling	0.00	20.0	HHDT
3-N	Onsite truck	0.00	0.00	HHDT
3-M	—	—	—	—
3-M	Worker	13.0	11.7	LDA,LDT1,LDT2
3-M	Vendor	0.00	8.40	HHDT,MHDT
3-M	Hauling	0.00	20.0	HHDT
3-M	Onsite truck	0.00	0.00	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
3-E-1	0.00	0.00	292,500	97,500	0.00
3-E-2	0.00	0.00	292,500	97,500	0.00
3-Q	0.00	0.00	0.00	0.00	15,682
3-M	0.00	0.00	999,000	111,000	0.00

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
3-A	0.00	0.00	4.06	0.00	—
3-B	32,722	0.00	0.00	0.00	—
3-O	8,108	0.00	0.00	0.00	—
3-Q	0.00	0.00	0.00	0.00	2.22
3-F	0.00	0.00	0.00	96,556	—
3-G	3,576	0.00	0.00	0.00	—
3-H	10,219	0.00	0.00	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Office Park	0.00	0%
Research & Development	0.00	0%

University/College (4yr)	0.00	0%
General Office Building	0.00	0%
Regional Shopping Center	0.00	0%
Hotel	0.00	0%
Apartments Mid Rise	—	0%
Enclosed Parking with Elevator	0.00	100%
Parking Lot	0.00	100%
Road Construction	2.22	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2033	0.00	7.14	0.00	0.00
2034	500,000	7.14	0.00	0.00
2035	500,000	7.14	0.00	0.00
2036	250,000	1.79	0.00	0.00

7. Health and Equity Details

7.4. Health & Equity Measures

No Health & Equity Measures selected.

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	Project in urban environment
Land Use	Office acres include acres for office, R&D, academic, and active. Linear acres includes Daily, Girard, and utility improvements. No housing or garage during Phase 3.
Construction: Construction Phases	Data provided by SKS

Construction: Off-Road Equipment	Data provided by SKS.
Construction: Dust From Material Movement	Data provided by SKS.
Construction: Trips and VMT	Data provided by SKS. Defaults used when project-specific data are not available.
Construction: Paving	Data provided by SKS
Construction: On-Road Fugitive Dust	Silt loading modified per BAAQMD CEQA Guidelines.
Construction: Demolition	Removal during roadway/utility.
Construction: Architectural Coatings	Distributed coating square footages to phases based on buildings constructed in each phase.
Construction: Electricity	Per PG&E's 2023 PCL adjusted to account for RPS. CO2 is CO2e. 2033 consumption included in Phase 2.

A1.1.5 Phase 4 Construction CalEEMod Output

The CalEEMod output presents model inputs and outputs for construction of the CEQA Proposed Project, Phase 4. These emissions would also occur under the CEQA Proposed Project with either utility option.

Neither total construction nor mobile-source emissions results in the CalEEMod output are adjusted to reflect the June 12, 2025, congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has developed off-model adjustment factors for NO_X, ROG, PM_{10}, and $PM_{2.5}$ that remove the estimated emissions benefits attributed to regulations. Emissions of these pollutants were separately quantified using the CalEEMod trip and milage inventory and emission factors from EMFAC2021 with the off-model adjustments per CARB's guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for mobile sources and the total phase emissions recalculated. Refer to Section A1.1.6 for the off-model calculations.

Moffett Alt 1 Construction Phase 4 Custom Report

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3.8. 4-B (2036) - Mitigated

3.9. 4-B (2037) - Unmitigated

3.10. 4-B (2037) - Mitigated

3.11. 4-L (2036) - Unmitigated

3.12. 4-L (2036) - Mitigated

3.13. 4-N (2036) - Unmitigated

3.14. 4-N (2036) - Mitigated

3.15. 4-N (2037) - Unmitigated

3.16. 4-N (2037) - Mitigated

3.17. 4-N (2038) - Unmitigated

3.18. 4-N (2038) - Mitigated

3.19. 4-D-1-A (2036) - Unmitigated

3.20. 4-D-1-A (2036) - Mitigated

3.21. 4-D-1-C (2037) - Unmitigated

3.22. 4-D-1-C (2037) - Mitigated

3.23. 4-D-1-C (2038) - Unmitigated

3.24. 4-D-1-C (2038) - Mitigated

3.25. 4-D-1-C (2039) - Unmitigated

3.26. 4-D-1-C (2039) - Mitigated

3.27. 4-D-2-A (2037) - Unmitigated

3.28. 4-D-2-A (2037) - Mitigated

3.29. 4-D-2-C (2037) - Unmitigated

3.30. 4-D-2-C (2037) - Mitigated

3.31. 4-D-2-C (2038) - Unmitigated

3.32. 4-D-2-C (2038) - Mitigated

3.33. 4-D-2-C (2039) - Unmitigated

3.34. 4-D-2-C (2039) - Mitigated

3.35. 4-Q (2036) - Unmitigated

3.36. 4-Q (2036) - Mitigated

3.37. 4-Q (2037) - Unmitigated

3.38. 4-Q (2037) - Mitigated

3.39. 4-Q (2038) - Unmitigated

3.40. 4-Q (2038) - Mitigated

3.41. 4-Q (2039) - Unmitigated

3.42. 4-Q (2039) - Mitigated

3.43. 4-F-1-A (2037) - Unmitigated

3.44. 4-F-1-A (2037) - Mitigated

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3.46. 4-F-1-C (2037) - Mitigated

3.47. 4-F-1-C (2038) - Unmitigated

3.48. 4-F-1-C (2038) - Mitigated

3.49. 4-F-1-C (2039) - Unmitigated

3.50. 4-F-1-C (2039) - Mitigated

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3.53. 4-O (2038) - Unmitigated

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3.55. 4-E-1 (2038) - Unmitigated

3.56. 4-E-1 (2038) - Mitigated

3.57. 4-E-1 (2039) - Unmitigated

3.58. 4-E-1 (2039) - Mitigated

3.59. 4-E-2 (2039) - Unmitigated

3.60. 4-E-2 (2039) - Mitigated

3.61. 4-G (2038) - Unmitigated

3.62. 4-G (2038) - Mitigated

3.63. 4-G (2039) - Unmitigated

3.64. 4-G (2039) - Mitigated

3.65. 4-D-1-B (2036) - Unmitigated

3.66. 4-D-1-B (2036) - Mitigated

3.67. 4-D-2-B (2037) - Unmitigated

3.68. 4-D-2-B (2037) - Mitigated

3.69. 4-F-1-B (2037) - Unmitigated

3.70. 4-F-1-B (2037) - Mitigated

3.71. 4-H (2037) - Unmitigated

3.72. 4-H (2037) - Mitigated

3.73. 4-I (2037) - Unmitigated

3.74. 4-I (2037) - Mitigated

3.75. 4-J (2037) - Unmitigated

3.76. 4-J (2037) - Mitigated

3.77. 4-J (2038) - Unmitigated

3.78. 4-J (2038) - Mitigated

3.79. 4-K (2038) - Unmitigated

3.80. 4-K (2038) - Mitigated

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Moffett Alt 1 Construction Phase 4
Construction Start Date	6/1/2036
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	28.2
Location	37.40646021370499, -122.05214834788202
County	Santa Clara
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1702
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	60.0	1000sqft	2.50	60,000	0.00	0.00	—	—
Research & Development	250	1000sqft	0.00	250,000	0.00	0.00	—	—

University/College (4yr)	27.0	Student	0.00	40,000	0.00	0.00	—	—
General Office Building	0.00	1000sqft	0.00	0.00	0.00	0.00	—	—
Regional Shopping Center	20.0	1000sqft	0.00	20,000	0.00	0.00	—	—
Hotel	0.00	Room	0.00	0.00	0.00	0.00	—	—
Apartments Mid Rise	145	Dwelling Unit	0.60	130,000	0.00	0.00	363	—
Enclosed Parking with Elevator	525	1000sqft	1.40	525,000	0.00	0.00	—	—
Parking Lot	0.00	1000sqft	0.00	0.00	0.00	0.00	—	—
Road Construction	1.90	Mile	2.40	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-1-A	Use Electric or Hybrid Powered Equipment
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-4*	Use Local and Sustainable Building Materials
Construction	C-5	Use Advanced Engine Tiers
Construction	C-10-A	Water Exposed Surfaces
Construction	C-10-B	Water Active Demolition Sites
Construction	C-10-C	Water Unpaved Construction Roads
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-13	Use Low-VOC Paints for Construction

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	80.8	76.8	184	277	0.63	3.67	32.6	36.3	3.39	7.45	10.8	—	67,338	67,338	2.73	2.31	11.2	68,105
Mit.	33.1	32.5	58.6	231	0.45	1.66	29.4	30.3	1.57	7.10	8.01	—	51,786	51,786	2.10	2.18	11.2	52,499
% Reduced	59%	58%	68%	16%	28%	55%	10%	17%	54%	5%	26%	—	23%	23%	23%	5%	—	23%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	78.7	75.1	171	257	0.59	3.35	27.4	30.8	3.10	6.45	9.54	—	62,703	62,703	2.55	2.00	0.26	63,364
Mit.	32.5	31.9	59.4	215	0.42	1.66	25.5	26.7	1.57	6.24	7.76	—	47,718	47,718	1.94	1.94	0.26	48,328
% Reduced	59%	57%	65%	16%	29%	50%	7%	13%	49%	3%	19%	—	24%	24%	24%	3%	—	24%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	30.0	27.6	108	160	0.37	1.98	18.0	20.0	1.83	4.28	6.11	—	38,798	38,798	1.55	1.41	2.97	39,126
Mit.	10.6	10.3	25.6	126	0.25	0.68	16.9	17.6	0.67	4.16	4.83	—	28,439	28,439	1.16	1.34	2.97	28,869
% Reduced	65%	63%	76%	21%	32%	65%	6%	12%	64%	3%	21%	—	27%	27%	25%	5%	—	26%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.47	5.04	19.7	29.2	0.07	0.36	3.28	3.64	0.33	0.78	1.12	—	6,423	6,423	0.26	0.23	0.49	6,478
Mit.	1.94	1.89	4.66	23.0	0.05	0.12	3.09	3.21	0.12	0.76	0.88	—	4,708	4,708	0.19	0.22	0.49	4,780
% Reduced	65%	63%	76%	21%	32%	65%	6%	12%	64%	3%	21%	—	27%	27%	25%	5%	—	26%

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	7.34	5.81	58.3	76.0	0.19	1.62	17.3	18.9	1.50	3.77	5.27	—	21,178	21,178	0.91	1.43	7.84	21,635
2037	23.0	18.9	184	277	0.63	3.67	32.6	36.3	3.39	7.45	10.8	—	67,338	67,338	2.73	2.31	11.2	68,105
2038	80.8	76.8	174	269	0.60	3.32	25.2	28.5	3.07	6.34	9.41	—	64,436	64,436	2.60	1.91	8.29	65,079
2039	47.0	44.6	133	184	0.39	1.60	14.3	15.9	1.48	3.56	5.04	—	41,912	41,912	1.62	0.75	3.03	42,178
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	7.23	5.66	56.9	64.8	0.18	1.50	18.6	20.1	1.39	4.41	5.80	—	20,386	20,386	0.88	1.60	0.24	20,885
2037	21.4	17.6	171	257	0.59	3.35	27.4	30.8	3.10	6.45	9.54	—	62,703	62,703	2.55	2.00	0.26	63,364
2038	78.7	75.1	161	239	0.56	2.84	24.0	26.9	2.63	6.05	8.67	—	59,261	59,261	2.41	1.88	0.21	59,881
2039	40.0	36.9	159	225	0.51	2.21	16.8	19.1	2.03	4.21	6.24	—	53,128	53,128	2.07	1.00	0.10	53,477
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	2.02	1.58	16.3	19.2	0.05	0.43	5.10	5.54	0.40	1.17	1.57	—	5,832	5,832	0.25	0.45	1.09	5,973
2037	12.7	10.3	102	144	0.35	1.98	18.0	20.0	1.83	4.28	6.11	—	37,081	37,081	1.51	1.41	2.97	37,541
2038	30.0	27.6	108	160	0.37	1.86	13.1	15.0	1.72	3.30	5.01	—	38,798	38,798	1.55	0.97	1.77	39,126
2039	18.0	17.2	47.9	64.3	0.14	0.55	5.55	6.10	0.51	1.38	1.89	—	14,972	14,972	0.58	0.33	0.57	15,086
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	0.37	0.29	2.97	3.50	0.01	0.08	0.93	1.01	0.07	0.21	0.29	—	966	966	0.04	0.07	0.18	989
2037	2.32	1.89	18.6	26.4	0.06	0.36	3.28	3.64	0.33	0.78	1.12	—	6,139	6,139	0.25	0.23	0.49	6,215
2038	5.47	5.04	19.7	29.2	0.07	0.34	2.40	2.74	0.31	0.60	0.92	—	6,423	6,423	0.26	0.16	0.29	6,478
2039	3.29	3.13	8.74	11.7	0.03	0.10	1.01	1.11	0.09	0.25	0.35	—	2,479	2,479	0.10	0.05	0.09	2,498

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	1.97	1.49	22.4	75.4	0.17	0.34	14.7	15.0	0.34	3.49	3.83	—	20,043	20,043	0.86	1.42	7.84	20,496
2037	7.79	6.46	58.6	231	0.45	1.66	29.4	30.3	1.57	7.10	8.01	—	51,786	51,786	2.10	2.18	11.2	52,499
2038	33.1	32.5	32.7	228	0.43	0.88	25.2	26.1	0.88	6.34	7.22	—	49,318	49,318	1.98	1.79	8.29	49,908
2039	16.9	16.7	11.8	101	0.19	0.37	14.3	14.7	0.37	3.56	3.93	—	22,443	22,443	0.83	0.59	3.03	22,643
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	4.03	3.08	34.2	59.9	0.17	0.86	17.3	18.2	0.81	4.27	5.08	—	19,082	19,082	0.82	1.59	0.24	19,576
2037	7.77	6.36	59.4	215	0.42	1.66	25.5	26.7	1.57	6.24	7.76	—	47,718	47,718	1.94	1.94	0.26	48,328
2038	32.5	31.9	29.8	193	0.39	0.80	24.0	24.8	0.79	6.05	6.84	—	44,142	44,142	1.79	1.75	0.21	44,710
2039	12.9	12.7	17.3	148	0.28	0.55	16.8	17.4	0.55	4.21	4.75	—	32,233	32,233	1.22	0.83	0.10	32,510
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	0.92	0.69	8.79	18.5	0.05	0.19	4.56	4.75	0.18	1.11	1.29	—	5,549	5,549	0.24	0.45	1.09	5,689
2037	3.58	3.01	25.6	119	0.25	0.68	16.9	17.6	0.67	4.16	4.83	—	28,439	28,439	1.16	1.34	2.97	28,869
2038	10.6	10.3	16.8	126	0.24	0.48	13.1	13.6	0.48	3.30	3.78	—	27,569	27,569	1.10	0.88	1.77	27,859
2039	6.62	6.54	4.47	33.4	0.07	0.13	5.55	5.68	0.13	1.38	1.51	—	7,882	7,882	0.30	0.27	0.57	7,971
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	0.17	0.13	1.60	3.38	0.01	0.03	0.83	0.87	0.03	0.20	0.24	—	919	919	0.04	0.07	0.18	942
2037	0.65	0.55	4.66	21.6	0.05	0.12	3.09	3.21	0.12	0.76	0.88	—	4,708	4,708	0.19	0.22	0.49	4,780
2038	1.94	1.89	3.06	23.0	0.04	0.09	2.40	2.49	0.09	0.60	0.69	—	4,564	4,564	0.18	0.14	0.29	4,612
2039	1.21	1.19	0.82	6.09	0.01	0.02	1.01	1.04	0.02	0.25	0.28	—	1,305	1,305	0.05	0.05	0.09	1,320

3. Construction Emissions Details

3.1. 4-C (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.39	1.17	9.98	13.1	0.03	0.26	—	0.26	0.24	—	0.24	—	2,588	2,588	0.10	0.02	—	2,597
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.21	1.80	2.37	< 0.005	0.05	—	0.05	0.04	—	0.04	—	468	468	0.02	< 0.005	—	470
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.33	0.43	< 0.005	0.01	—	0.01	0.01	—	0.01	—	77.5	77.5	< 0.005	< 0.005	—	77.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.46	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	146	146	< 0.005	< 0.005	0.17	147
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.25	0.06	3.79	1.77	0.03	0.06	3.91	3.97	0.06	1.01	1.06	—	3,345	3,345	0.16	0.54	2.83	3,512
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	24.7	24.7	< 0.005	< 0.005	0.01	24.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.71	0.32	0.01	0.01	0.69	0.70	0.01	0.18	0.19	—	605	605	0.03	0.10	0.22	635
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.10	4.10	< 0.005	< 0.005	< 0.005	4.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	100	100	< 0.005	0.02	0.04	105

3.2. 4-C (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.28	3.96	15.3	0.03	0.05	—	0.05	0.05	—	0.05	—	2,588	2,588	0.10	0.02	—	2,597
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.05	0.05	0.72	2.76	< 0.005	0.01	—	0.01	0.01	—	0.01	—	468	468	0.02	< 0.005	—	470
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.13	0.50	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	77.5	77.5	< 0.005	< 0.005	—	77.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.46	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	146	146	< 0.005	< 0.005	0.17	147
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.25	0.06	3.79	1.77	0.03	0.06	3.91	3.97	0.06	1.01	1.06	—	3,345	3,345	0.16	0.54	2.83	3,512
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	24.7	24.7	< 0.005	< 0.005	0.01	24.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.71	0.32	0.01	0.01	0.69	0.70	0.01	0.18	0.19	—	605	605	0.03	0.10	0.22	635
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.10	4.10	< 0.005	< 0.005	< 0.005	4.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	100	100	< 0.005	0.02	0.04	105

3.3. 4-A (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.40	1.17	12.2	17.5	0.02	0.33	—	0.33	0.30	—	0.30	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.12	2.12	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.21	2.21	3.16	< 0.005	0.06	—	0.06	0.05	—	0.05	—	458	458	0.02	< 0.005	—	459
Dust From Material Movemer	—	—	—	—	—	—	0.38	0.38	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.40	0.58	< 0.005	0.01	—	0.01	0.01	—	0.01	—	75.8	75.8	< 0.005	< 0.005	—	76.0

Dust From Material Movemer	—	—	—	—	—	—	0.07	0.07	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.68	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	219	219	< 0.005	< 0.005	0.25	220
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	1.97	0.92	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,740	1,740	0.08	0.28	1.47	1,826
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	37.1	37.1	< 0.005	< 0.005	0.02	37.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	0.01	0.37	0.17	< 0.005	0.01	0.36	0.37	0.01	0.09	0.10	—	315	315	0.02	0.05	0.11	330
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.14	6.14	< 0.005	< 0.005	< 0.005	6.17
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	52.1	52.1	< 0.005	0.01	0.02	54.7

3.4. 4-A (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.60	2.48	< 0.005	0.01	—	0.01	0.01	—	0.01	—	355	355	0.01	< 0.005	—	356
Dust From Material Movemer	—	—	—	—	—	—	0.15	0.15	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.45	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	58.8	58.8	< 0.005	< 0.005	—	59.0
Dust From Material Movemer	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.68	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	219	219	< 0.005	< 0.005	0.25	220
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	1.97	0.92	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,740	1,740	0.08	0.28	1.47	1,826
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	37.1	37.1	< 0.005	< 0.005	0.02	37.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	0.01	0.37	0.17	< 0.005	0.01	0.36	0.37	0.01	0.09	0.10	—	315	315	0.02	0.05	0.11	330
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.14	6.14	< 0.005	< 0.005	< 0.005	6.17
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	52.1	52.1	< 0.005	0.01	0.02	54.7

3.5. 4-M (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.07	0.90	6.54	9.64	0.02	0.27	—	0.27	0.25	—	0.25	—	2,065	2,065	0.08	0.02	—	2,072
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	0.90	6.54	9.64	0.02	0.27	—	0.27	0.25	—	0.25	—	2,065	2,065	0.08	0.02	—	2,072
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.18	1.74	< 0.005	0.05	—	0.05	0.04	—	0.04	—	373	373	0.02	< 0.005	—	375
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.22	0.32	< 0.005	0.01	—	0.01	0.01	—	0.01	—	61.8	61.8	< 0.005	< 0.005	—	62.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.17	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	54.8	54.8	< 0.005	< 0.005	0.06	55.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.15	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	50.7	50.7	< 0.005	< 0.005	< 0.005	50.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.28	9.28	< 0.005	< 0.005	< 0.005	9.31
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	1.54	1.54	< 0.005	< 0.005	< 0.005	1.54
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. 4-M (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.19	1.01	11.9	0.02	0.04	—	0.04	0.04	—	0.04	—	2,065	2,065	0.08	0.02	—	2,072
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.19	1.01	11.9	0.02	0.04	—	0.04	0.04	—	0.04	—	2,065	2,065	0.08	0.02	—	2,072
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.18	2.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	373	373	0.02	< 0.005	—	375
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.03	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	61.8	61.8	< 0.005	< 0.005	—	62.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.17	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	54.8	54.8	< 0.005	< 0.005	0.06	55.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.15	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	50.7	50.7	< 0.005	< 0.005	< 0.005	50.9

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.28	9.28	< 0.005	< 0.005	< 0.005	9.31
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	1.54	1.54	< 0.005	< 0.005	< 0.005	1.54
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. 4-B (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.40	1.17	12.2	17.5	0.02	0.33	—	0.33	0.30	—	0.30	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.40	1.17	12.2	17.5	0.02	0.33	—	0.33	0.30	—	0.30	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movement	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	0.28	2.92	4.18	0.01	0.08	—	0.08	0.07	—	0.07	—	604	604	0.02	< 0.005	—	606
Dust From Material Movement	—	—	—	—	—	—	0.51	0.51	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.53	0.76	< 0.005	0.01	—	0.01	0.01	—	0.01	—	100	100	< 0.005	< 0.005	—	100
Dust From Material Movement	—	—	—	—	—	—	0.09	0.09	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.68	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	219	219	< 0.005	< 0.005	0.25	220
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.13	0.03	1.97	0.92	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,740	1,740	0.08	0.28	1.47	1,826
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.58	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	203	203	< 0.005	< 0.005	0.01	204
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	2.08	0.93	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,740	1,740	0.08	0.28	0.04	1,826
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	49.0	49.0	< 0.005	< 0.005	0.03	49.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.49	0.22	< 0.005	0.01	0.48	0.48	0.01	0.12	0.13	—	415	415	0.02	0.07	0.15	436
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.11	8.11	< 0.005	< 0.005	< 0.005	8.14
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	68.8	68.8	< 0.005	0.01	0.03	72.2

3.8. 4-B (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.80	3.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	469	469	0.02	< 0.005	—	470
Dust From Material Movemer	—	—	—	—	—	—	0.20	0.20	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.15	0.60	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	77.6	77.6	< 0.005	< 0.005	—	77.9
Dust From Material Movemer	—	—	—	—	—	—	0.04	0.04	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.68	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	219	219	< 0.005	< 0.005	0.25	220
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	1.97	0.92	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,740	1,740	0.08	0.28	1.47	1,826
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.58	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	203	203	< 0.005	< 0.005	0.01	204
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	2.08	0.93	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,740	1,740	0.08	0.28	0.04	1,826
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	49.0	49.0	< 0.005	< 0.005	0.03	49.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.49	0.22	< 0.005	0.01	0.48	0.48	0.01	0.12	0.13	—	415	415	0.02	0.07	0.15	436
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.11	8.11	< 0.005	< 0.005	< 0.005	8.14
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	68.8	68.8	< 0.005	0.01	0.03	72.2

3.9. 4-B (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	1.37	1.15	12.0	17.5	0.02	0.29	—	0.29	0.27	—	0.27	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.37	1.15	12.0	17.5	0.02	0.29	—	0.29	0.27	—	0.27	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	0.34	3.56	5.20	0.01	0.09	—	0.09	0.08	—	0.08	—	753	753	0.03	0.01	—	756
Dust From Material Movemer	—	—	—	—	—	—	0.63	0.63	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.65	0.95	< 0.005	0.02	—	0.02	0.01	—	0.01	—	125	125	0.01	< 0.005	—	125

Dust From Material Movemer	—	—	—	—	—	—	0.12	0.12	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.03	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	217	217	< 0.005	< 0.005	0.21	218
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	0.03	1.93	0.89	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,707	1,707	0.08	0.28	1.26	1,793
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	2.03	0.89	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,708	1,708	0.08	0.28	0.03	1,793
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.17	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	60.5	60.5	< 0.005	< 0.005	0.03	60.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.60	0.27	< 0.005	0.01	0.59	0.60	0.01	0.15	0.16	—	508	508	0.03	0.08	0.16	533
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.0	10.0	< 0.005	< 0.005	< 0.005	10.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	84.1	84.1	< 0.005	0.01	0.03	88.3

3.10. 4-B (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.99	4.08	0.01	0.01	—	0.01	0.01	—	0.01	—	584	584	0.02	< 0.005	—	586
Dust From Material Movemer	—	—	—	—	—	—	0.25	0.25	—	0.03	0.03	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.18	0.74	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	96.7	96.7	< 0.005	< 0.005	—	97.0
Dust From Material Movemer	—	—	—	—	—	—	0.05	0.05	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.03	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	217	217	< 0.005	< 0.005	0.21	218
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	0.03	1.93	0.89	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,707	1,707	0.08	0.28	1.26	1,793
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	2.03	0.89	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,708	1,708	0.08	0.28	0.03	1,793
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.17	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	60.5	60.5	< 0.005	< 0.005	0.03	60.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.60	0.27	< 0.005	0.01	0.59	0.60	0.01	0.15	0.16	—	508	508	0.03	0.08	0.16	533
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.0	10.0	< 0.005	< 0.005	< 0.005	10.1

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	84.1	84.1	< 0.005	0.01	0.03	88.3

3.11. 4-L (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.25	1.05	7.78	11.7	0.02	0.31	—	0.31	0.28	—	0.28	—	2,455	2,455	0.10	0.02	—	2,463
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.96	1.44	< 0.005	0.04	—	0.04	0.03	—	0.03	—	303	303	0.01	< 0.005	—	304
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.18	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	50.1	50.1	< 0.005	< 0.005	—	50.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.23	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	73.0	73.0	< 0.005	< 0.005	0.08	73.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.43	8.43	< 0.005	< 0.005	< 0.005	8.47
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	1.40	1.40	< 0.005	< 0.005	< 0.005	1.40
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. 4-L (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	1.20	14.2	0.02	0.05	—	0.05	0.05	—	0.05	—	2,455	2,455	0.10	0.02	—	2,463

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.15	1.76	< 0.005	0.01	—	0.01	0.01	—	0.01	—	303	303	0.01	< 0.005	—	304
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.03	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	50.1	50.1	< 0.005	< 0.005	—	50.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.23	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	73.0	73.0	< 0.005	< 0.005	0.08	73.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.43	8.43	< 0.005	< 0.005	< 0.005	8.47
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	1.40	1.40	< 0.005	< 0.005	< 0.005	1.40
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. 4-N (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.93	0.77	6.54	9.54	0.02	0.13	—	0.13	0.12	—	0.12	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.40	0.58	< 0.005	0.01	—	0.01	0.01	—	0.01	—	109	109	< 0.005	< 0.005	—	110
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.1	18.1	< 0.005	< 0.005	—	18.2

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	0.97	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	338	338	0.01	< 0.005	0.01	339
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.43	0.10	6.88	3.07	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,757	5,757	0.28	0.92	0.13	6,039
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	20.7	20.7	< 0.005	< 0.005	0.01	20.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.41	0.19	< 0.005	0.01	0.40	0.41	0.01	0.10	0.11	—	349	349	0.02	0.06	0.13	366
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.44	3.44	< 0.005	< 0.005	< 0.005	3.45
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.08	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	57.8	57.8	< 0.005	0.01	0.02	60.7

3.14. 4-N (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.21	0.19	1.25	5.70	0.01	0.05	—	0.05	0.05	—	0.05	—	1,064	1,064	0.04	0.01	—	1,068
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.35	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	64.6	64.6	< 0.005	< 0.005	—	64.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.7	10.7	< 0.005	< 0.005	—	10.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	0.97	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	338	338	0.01	< 0.005	0.01	339
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.43	0.10	6.88	3.07	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,757	5,757	0.28	0.92	0.13	6,039
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	20.7	20.7	< 0.005	< 0.005	0.01	20.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.41	0.19	< 0.005	0.01	0.40	0.41	0.01	0.10	0.11	—	349	349	0.02	0.06	0.13	366

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.44	3.44	< 0.005	< 0.005	< 0.005	3.45
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.08	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	57.8	57.8	< 0.005	0.01	0.02	60.7

3.15. 4-N (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	0.76	6.44	9.44	0.02	0.12	—	0.12	0.11	—	0.11	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	0.76	6.44	9.44	0.02	0.12	—	0.12	0.11	—	0.11	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	0.54	4.60	6.74	0.01	0.09	—	0.09	0.08	—	0.08	—	1,286	1,286	0.05	0.01	—	1,291

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.84	1.23	< 0.005	0.02	—	0.02	0.01	—	0.01	—	213	213	0.01	< 0.005	—	214
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.04	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	362	362	< 0.005	< 0.005	0.36	363
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.39	0.10	6.37	2.95	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,645	5,645	0.28	0.92	4.18	5,931
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.08	0.06	0.94	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	335	335	0.01	< 0.005	0.01	337
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.38	0.10	6.73	2.93	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,648	5,648	0.28	0.92	0.11	5,930
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.66	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	242	242	< 0.005	< 0.005	0.11	243
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.27	0.07	4.74	2.11	0.04	0.07	4.72	4.79	0.07	1.21	1.28	—	4,033	4,033	0.20	0.66	1.29	4,236
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	40.1	40.1	< 0.005	< 0.005	0.02	40.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.87	0.39	0.01	0.01	0.86	0.87	0.01	0.22	0.23	—	668	668	0.03	0.11	0.21	701

3.16. 4-N (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.19	1.25	5.70	0.01	0.05	—	0.05	0.05	—	0.05	—	1,064	1,064	0.04	0.01	—	1,068
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.19	1.25	5.70	0.01	0.05	—	0.05	0.05	—	0.05	—	1,064	1,064	0.04	0.01	—	1,068
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.89	4.07	0.01	0.03	—	0.03	0.03	—	0.03	—	760	760	0.03	0.01	—	763
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.16	0.74	< 0.005	0.01	—	0.01	0.01	—	0.01	—	126	126	0.01	< 0.005	—	126

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.04	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	362	362	< 0.005	< 0.005	0.36	363
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.39	0.10	6.37	2.95	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,645	5,645	0.28	0.92	4.18	5,931
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.08	0.06	0.94	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	335	335	0.01	< 0.005	0.01	337
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.38	0.10	6.73	2.93	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,648	5,648	0.28	0.92	0.11	5,930
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.66	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	242	242	< 0.005	< 0.005	0.11	243
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.27	0.07	4.74	2.11	0.04	0.07	4.72	4.79	0.07	1.21	1.28	—	4,033	4,033	0.20	0.66	1.29	4,236
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	40.1	40.1	< 0.005	< 0.005	0.02	40.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.87	0.39	0.01	0.01	0.86	0.87	0.01	0.22	0.23	—	668	668	0.03	0.11	0.21	701

3.17. 4-N (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	6.38	9.41	0.02	0.12	—	0.12	0.11	—	0.11	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	6.38	9.41	0.02	0.12	—	0.12	0.11	—	0.11	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.23	1.90	2.80	0.01	0.03	—	0.03	0.03	—	0.03	—	536	536	0.02	< 0.005	—	538
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.35	0.51	< 0.005	0.01	—	0.01	0.01	—	0.01	—	88.7	88.7	< 0.005	< 0.005	—	89.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.09	0.08	0.04	1.08	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	359	359	< 0.005	< 0.005	0.30	360
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.39	0.10	6.27	2.81	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,552	5,552	0.28	0.87	3.61	5,823
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.91	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	333	333	0.01	< 0.005	0.01	334
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.38	0.10	6.63	2.84	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,555	5,555	0.28	0.87	0.09	5,822
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.27	0.00	0.00	0.50	0.50	0.00	0.12	0.12	—	100	100	< 0.005	< 0.005	0.04	100
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	1.93	0.84	0.01	0.03	1.97	1.99	0.03	0.51	0.53	—	1,652	1,652	0.08	0.26	0.46	1,732
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.05	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	16.6	16.6	< 0.005	< 0.005	0.01	16.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	0.01	0.35	0.15	< 0.005	0.01	0.36	0.36	0.01	0.09	0.10	—	273	273	0.01	0.04	0.08	287

3.18. 4-N (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.19	1.25	5.70	0.01	0.05	—	0.05	0.05	—	0.05	—	1,064	1,064	0.04	0.01	—	1,068

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.19	1.25	5.70	0.01	0.05	—	0.05	0.05	—	0.05	—	1,064	1,064	0.04	0.01	—	1,068
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.37	1.70	< 0.005	0.01	—	0.01	0.01	—	0.01	—	317	317	0.01	< 0.005	—	318
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	52.4	52.4	< 0.005	< 0.005	—	52.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.04	1.08	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	359	359	< 0.005	< 0.005	0.30	360
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.39	0.10	6.27	2.81	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,552	5,552	0.28	0.87	3.61	5,823
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.09	0.08	0.06	0.91	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	333	333	0.01	< 0.005	0.01	334
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.38	0.10	6.63	2.84	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,555	5,555	0.28	0.87	0.09	5,822
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.27	0.00	0.00	0.50	0.50	0.00	0.12	0.12	—	100	100	< 0.005	< 0.005	0.04	100
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	1.93	0.84	0.01	0.03	1.97	1.99	0.03	0.51	0.53	—	1,652	1,652	0.08	0.26	0.46	1,732
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.05	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	16.6	16.6	< 0.005	< 0.005	0.01	16.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	0.01	0.35	0.15	< 0.005	0.01	0.36	0.36	0.01	0.09	0.10	—	273	273	0.01	0.04	0.08	287

3.19. 4-D-1-A (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	0.97	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	338	338	0.01	< 0.005	0.01	339
Vendor	0.04	0.01	0.57	0.30	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	485	485	0.02	0.07	0.01	507
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	61.8	61.8	< 0.005	< 0.005	0.03	62.1
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	87.6	87.6	< 0.005	0.01	0.03	91.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	10.2	10.2	< 0.005	< 0.005	0.01	10.3
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	14.5	14.5	< 0.005	< 0.005	< 0.005	15.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.20. 4-D-1-A (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	0.97	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	338	338	0.01	< 0.005	0.01	339
Vendor	0.04	0.01	0.57	0.30	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	485	485	0.02	0.07	0.01	507
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	61.8	61.8	< 0.005	< 0.005	0.03	62.1
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	87.6	87.6	< 0.005	0.01	0.03	91.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	10.2	10.2	< 0.005	< 0.005	0.01	10.3
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	14.5	14.5	< 0.005	< 0.005	< 0.005	15.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. 4-D-1-C (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.18	4.32	41.6	60.7	0.13	0.71	—	0.71	0.66	—	0.66	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.18	4.32	41.6	60.7	0.13	0.71	—	0.71	0.66	—	0.66	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.70	3.09	29.7	43.4	0.10	0.51	—	0.51	0.47	—	0.47	—	9,623	9,623	0.39	0.08	—	9,656
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.56	5.42	7.91	0.02	0.09	—	0.09	0.09	—	0.09	—	1,593	1,593	0.06	0.01	—	1,599
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.07	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	579	579	0.01	0.01	0.57	581
Vendor	0.06	0.02	0.97	0.45	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,086	1,086	0.04	0.16	0.74	1,135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.13	0.10	1.50	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	537	537	0.01	0.01	0.01	538
Vendor	0.06	0.02	1.03	0.45	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,087	1,087	0.04	0.16	0.02	1,135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.07	1.06	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	388	388	0.01	< 0.005	0.18	389
Vendor	0.04	0.01	0.72	0.32	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	776	776	0.03	0.11	0.23	811
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	64.2	64.2	< 0.005	< 0.005	0.03	64.4
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	129	129	< 0.005	0.02	0.04	134
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.22. 4-D-1-C (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.59	3.07	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,231	6,231	0.25	0.05	—	6,252
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.56	6.09	0.01	0.02	—	0.02	0.02	—	0.02	—	1,032	1,032	0.04	0.01	—	1,035
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.07	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	579	579	0.01	0.01	0.57	581
Vendor	0.06	0.02	0.97	0.45	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,086	1,086	0.04	0.16	0.74	1,135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.13	0.10	1.50	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	537	537	0.01	0.01	0.01	538
Vendor	0.06	0.02	1.03	0.45	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,087	1,087	0.04	0.16	0.02	1,135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.07	1.06	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	388	388	0.01	< 0.005	0.18	389
Vendor	0.04	0.01	0.72	0.32	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	776	776	0.03	0.11	0.23	811
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	64.2	64.2	< 0.005	< 0.005	0.03	64.4
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	129	129	< 0.005	0.02	0.04	134
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.23. 4-D-1-C (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.14	4.29	41.2	60.4	0.13	0.69	—	0.69	0.64	—	0.64	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	5.14	4.29	41.2	60.4	0.13	0.69	—	0.69	0.64	—	0.64	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.67	3.07	29.4	43.2	0.10	0.49	—	0.49	0.45	—	0.45	—	9,623	9,623	0.39	0.08	—	9,656
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.56	5.37	7.88	0.02	0.09	—	0.09	0.08	—	0.08	—	1,593	1,593	0.06	0.01	—	1,599
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.07	1.72	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	575	575	0.01	< 0.005	0.48	576
Vendor	0.06	0.02	0.95	0.43	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,056	1,056	0.04	0.16	0.61	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.10	1.46	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	533	533	0.01	0.01	0.01	534
Vendor	0.06	0.02	0.99	0.44	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,056	1,056	0.04	0.16	0.02	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.11	0.09	0.07	1.03	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	385	385	0.01	< 0.005	0.15	386
Vendor	0.04	0.01	0.70	0.31	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	754	754	0.03	0.11	0.19	789
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	63.7	63.7	< 0.005	< 0.005	0.02	63.9
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	125	125	< 0.005	0.02	0.03	131
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.24. 4-D-1-C (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.59	0.59	3.07	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,231	6,231	0.25	0.05	—	6,252
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.56	6.09	0.01	0.02	—	0.02	0.02	—	0.02	—	1,032	1,032	0.04	0.01	—	1,035
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.07	1.72	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	575	575	0.01	< 0.005	0.48	576
Vendor	0.06	0.02	0.95	0.43	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,056	1,056	0.04	0.16	0.61	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.10	1.46	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	533	533	0.01	0.01	0.01	534
Vendor	0.06	0.02	0.99	0.44	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,056	1,056	0.04	0.16	0.02	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.07	1.03	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	385	385	0.01	< 0.005	0.15	386
Vendor	0.04	0.01	0.70	0.31	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	754	754	0.03	0.11	0.19	789
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	63.7	63.7	< 0.005	< 0.005	0.02	63.9
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	125	125	< 0.005	0.02	0.03	131

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.25. 4-D-1-C (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.10	4.26	40.6	60.0	0.13	0.67	—	0.67	0.61	—	0.61	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.27	2.54	3.76	0.01	0.04	—	0.04	0.04	—	0.04	—	844	844	0.03	0.01	—	847
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.46	0.69	< 0.005	0.01	—	0.01	0.01	—	0.01	—	140	140	0.01	< 0.005	—	140
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.10	1.41	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	529	529	0.01	0.01	0.01	531
Vendor	0.05	0.02	0.97	0.42	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,029	1,029	0.03	0.16	0.01	1,077
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.09	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	33.5	33.5	< 0.005	< 0.005	0.01	33.6
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	64.4	64.4	< 0.005	0.01	0.01	67.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	5.55	5.55	< 0.005	< 0.005	< 0.005	5.57
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	10.7	10.7	< 0.005	< 0.005	< 0.005	11.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.26. 4-D-1-C (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.27	2.92	0.01	0.01	—	0.01	0.01	—	0.01	—	546	546	0.02	< 0.005	—	548
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.53	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	90.4	90.4	< 0.005	< 0.005	—	90.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.10	1.41	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	529	529	0.01	0.01	0.01	531
Vendor	0.05	0.02	0.97	0.42	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,029	1,029	0.03	0.16	0.01	1,077
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.09	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	33.5	33.5	< 0.005	< 0.005	0.01	33.6
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	64.4	64.4	< 0.005	0.01	0.01	67.4

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	5.55	5.55	< 0.005	< 0.005	< 0.005	5.57
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	10.7	10.7	< 0.005	< 0.005	< 0.005	11.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.27. 4-D-2-A (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.04	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	362	362	< 0.005	< 0.005	0.36	363

Vendor	0.04	0.01	0.53	0.28	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	470	470	0.02	0.07	0.31	491
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.08	0.06	0.94	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	335	335	0.01	< 0.005	0.01	337
Vendor	0.04	0.01	0.56	0.29	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	470	470	0.02	0.07	0.01	491
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.16	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	59.5	59.5	< 0.005	< 0.005	0.03	59.7
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	82.4	82.4	< 0.005	0.01	0.02	86.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.84	9.84	< 0.005	< 0.005	< 0.005	9.88
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	13.6	13.6	< 0.005	< 0.005	< 0.005	14.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.28. 4-D-2-A (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.04	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	362	362	< 0.005	< 0.005	0.36	363
Vendor	0.04	0.01	0.53	0.28	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	470	470	0.02	0.07	0.31	491
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.08	0.06	0.94	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	335	335	0.01	< 0.005	0.01	337
Vendor	0.04	0.01	0.56	0.29	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	470	470	0.02	0.07	0.01	491
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.16	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	59.5	59.5	< 0.005	< 0.005	0.03	59.7
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	82.4	82.4	< 0.005	0.01	0.02	86.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.84	9.84	< 0.005	< 0.005	< 0.005	9.88
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	13.6	13.6	< 0.005	< 0.005	< 0.005	14.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.29. 4-D-2-C (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.18	4.32	41.6	60.7	0.13	0.71	—	0.71	0.66	—	0.66	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.18	4.32	41.6	60.7	0.13	0.71	—	0.71	0.66	—	0.66	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.48	2.07	19.9	29.1	0.06	0.34	—	0.34	0.31	—	0.31	—	6,459	6,459	0.26	0.05	—	6,482
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	0.38	3.64	5.31	0.01	0.06	—	0.06	0.06	—	0.06	—	1,069	1,069	0.04	0.01	—	1,073

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.07	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	579	579	0.01	0.01	0.57	581
Vendor	0.06	0.02	0.97	0.45	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,086	1,086	0.04	0.16	0.74	1,135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.13	0.10	1.50	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	537	537	0.01	0.01	0.01	538
Vendor	0.06	0.02	1.03	0.45	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,087	1,087	0.04	0.16	0.02	1,135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.05	0.71	0.00	0.00	1.28	1.28	0.00	0.32	0.32	—	260	260	< 0.005	< 0.005	0.12	261
Vendor	0.03	0.01	0.49	0.22	0.01	0.01	0.72	0.72	0.01	0.18	0.19	—	521	521	0.02	0.08	0.15	544
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	43.1	43.1	< 0.005	< 0.005	0.02	43.2
Vendor	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	86.3	86.3	< 0.005	0.01	0.03	90.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.30. 4-D-2-C (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	2.06	22.4	0.04	0.08	—	0.08	0.08	—	0.08	—	4,182	4,182	0.17	0.03	—	4,197
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.38	4.09	0.01	0.01	—	0.01	0.01	—	0.01	—	692	692	0.03	0.01	—	695
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.16	0.15	0.07	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	579	579	0.01	0.01	0.57	581
Vendor	0.06	0.02	0.97	0.45	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,086	1,086	0.04	0.16	0.74	1,135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.13	0.10	1.50	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	537	537	0.01	0.01	0.01	538
Vendor	0.06	0.02	1.03	0.45	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,087	1,087	0.04	0.16	0.02	1,135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.05	0.71	0.00	0.00	1.28	1.28	0.00	0.32	0.32	—	260	260	< 0.005	< 0.005	0.12	261
Vendor	0.03	0.01	0.49	0.22	0.01	0.01	0.72	0.72	0.01	0.18	0.19	—	521	521	0.02	0.08	0.15	544
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	43.1	43.1	< 0.005	< 0.005	0.02	43.2
Vendor	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	86.3	86.3	< 0.005	0.01	0.03	90.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.31. 4-D-2-C (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.14	4.29	41.2	60.4	0.13	0.69	—	0.69	0.64	—	0.64	—	13,473	13,473	0.55	0.11	—	13,519

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.14	4.29	41.2	60.4	0.13	0.69	—	0.69	0.64	—	0.64	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.67	3.07	29.4	43.2	0.10	0.49	—	0.49	0.45	—	0.45	—	9,623	9,623	0.39	0.08	—	9,656
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.56	5.37	7.88	0.02	0.09	—	0.09	0.08	—	0.08	—	1,593	1,593	0.06	0.01	—	1,599
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.07	1.72	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	575	575	0.01	< 0.005	0.48	576
Vendor	0.06	0.02	0.95	0.43	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,056	1,056	0.04	0.16	0.61	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.15	0.13	0.10	1.46	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	533	533	0.01	0.01	0.01	534
Vendor	0.06	0.02	0.99	0.44	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,056	1,056	0.04	0.16	0.02	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.07	1.03	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	385	385	0.01	< 0.005	0.15	386
Vendor	0.04	0.01	0.70	0.31	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	754	754	0.03	0.11	0.19	789
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	63.7	63.7	< 0.005	< 0.005	0.02	63.9
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	125	125	< 0.005	0.02	0.03	131
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.32. 4-D-2-C (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.59	3.07	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,231	6,231	0.25	0.05	—	6,252
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.56	6.09	0.01	0.02	—	0.02	0.02	—	0.02	—	1,032	1,032	0.04	0.01	—	1,035
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.07	1.72	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	575	575	0.01	< 0.005	0.48	576
Vendor	0.06	0.02	0.95	0.43	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,056	1,056	0.04	0.16	0.61	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.10	1.46	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	533	533	0.01	0.01	0.01	534
Vendor	0.06	0.02	0.99	0.44	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,056	1,056	0.04	0.16	0.02	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.07	1.03	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	385	385	0.01	< 0.005	0.15	386
Vendor	0.04	0.01	0.70	0.31	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	754	754	0.03	0.11	0.19	789
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	63.7	63.7	< 0.005	< 0.005	0.02	63.9
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	125	125	< 0.005	0.02	0.03	131
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.33. 4-D-2-C (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.10	4.26	40.6	60.0	0.13	0.67	—	0.67	0.61	—	0.61	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.10	4.26	40.6	60.0	0.13	0.67	—	0.67	0.61	—	0.61	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.52	1.27	12.1	17.8	0.04	0.20	—	0.20	0.18	—	0.18	—	4,007	4,007	0.16	0.03	—	4,021
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.23	2.20	3.26	0.01	0.04	—	0.04	0.03	—	0.03	—	663	663	0.03	0.01	—	666
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.12	0.07	1.67	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	571	571	0.01	< 0.005	0.41	572
Vendor	0.05	0.02	0.92	0.42	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,028	1,028	0.03	0.16	0.49	1,077
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.10	1.41	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	529	529	0.01	0.01	0.01	531
Vendor	0.05	0.02	0.97	0.42	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,029	1,029	0.03	0.16	0.01	1,077
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.42	0.00	0.00	0.79	0.79	0.00	0.20	0.20	—	159	159	< 0.005	< 0.005	0.05	160
Vendor	0.01	0.01	0.28	0.13	< 0.005	< 0.005	0.44	0.45	< 0.005	0.11	0.12	—	306	306	0.01	0.05	0.06	320
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	< 0.005	0.08	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	26.3	26.3	< 0.005	< 0.005	0.01	26.4
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	50.7	50.7	< 0.005	0.01	0.01	53.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.34. 4-D-2-C (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.25	1.28	13.9	0.02	0.05	—	0.05	0.05	—	0.05	—	2,595	2,595	0.11	0.02	—	2,604
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.23	2.53	< 0.005	0.01	—	0.01	0.01	—	0.01	—	430	430	0.02	< 0.005	—	431
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.12	0.07	1.67	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	571	571	0.01	< 0.005	0.41	572
Vendor	0.05	0.02	0.92	0.42	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,028	1,028	0.03	0.16	0.49	1,077
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.10	1.41	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	529	529	0.01	0.01	0.01	531
Vendor	0.05	0.02	0.97	0.42	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,029	1,029	0.03	0.16	0.01	1,077
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.42	0.00	0.00	0.79	0.79	0.00	0.20	0.20	—	159	159	< 0.005	< 0.005	0.05	160
Vendor	0.01	0.01	0.28	0.13	< 0.005	< 0.005	0.44	0.45	< 0.005	0.11	0.12	—	306	306	0.01	0.05	0.06	320
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.08	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	26.3	26.3	< 0.005	< 0.005	0.01	26.4
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	50.7	50.7	< 0.005	0.01	0.01	53.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.35. 4-Q (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	1.67	0.78	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,472	1,472	0.07	0.24	1.24	1,545
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.02	1.76	0.78	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,473	1,473	0.07	0.24	0.03	1,545

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.04	0.47	0.01	0.01	1.01	1.03	0.01	0.26	0.27	—	882	882	0.04	0.14	0.32	925
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.19	0.09	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.05	—	146	146	0.01	0.02	0.05	153

3.36. 4-Q (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	1.67	0.78	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,472	1,472	0.07	0.24	1.24	1,545
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.02	1.76	0.78	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,473	1,473	0.07	0.24	0.03	1,545
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.04	0.47	0.01	0.01	1.01	1.03	0.01	0.26	0.27	—	882	882	0.04	0.14	0.32	925
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.19	0.09	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.05	—	146	146	0.01	0.02	0.05	153

3.37. 4-Q (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.03	1.63	0.75	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,444	1,444	0.07	0.24	1.07	1,517
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.72	0.75	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,445	1,445	0.07	0.24	0.03	1,517
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.21	0.54	0.01	0.02	1.21	1.23	0.02	0.31	0.33	—	1,032	1,032	0.05	0.17	0.33	1,084
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.22	0.10	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	171	171	0.01	0.03	0.05	179

3.38. 4-Q (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.03	1.63	0.75	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,444	1,444	0.07	0.24	1.07	1,517

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.72	0.75	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,445	1,445	0.07	0.24	0.03	1,517
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.21	0.54	0.01	0.02	1.21	1.23	0.02	0.31	0.33	—	1,032	1,032	0.05	0.17	0.33	1,084
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.22	0.10	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	171	171	0.01	0.03	0.05	179

3.39. 4-Q (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.03	1.60	0.72	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,420	1,420	0.07	0.22	0.92	1,490
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.70	0.73	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,421	1,421	0.07	0.22	0.02	1,489
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.19	0.52	0.01	0.02	1.21	1.23	0.02	0.31	0.33	—	1,015	1,015	0.05	0.16	0.28	1,064
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.22	0.09	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	168	168	0.01	0.03	0.05	176

3.40. 4-Q (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.03	1.60	0.72	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,420	1,420	0.07	0.22	0.92	1,490
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.70	0.73	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,421	1,421	0.07	0.22	0.02	1,489
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.19	0.52	0.01	0.02	1.21	1.23	0.02	0.31	0.33	—	1,015	1,015	0.05	0.16	0.28	1,064
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.22	0.09	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	168	168	0.01	0.03	0.05	176

3.41. 4-Q (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.03	1.58	0.70	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,399	1,399	0.06	0.22	0.79	1,468
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.02	1.67	0.70	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,400	1,400	0.06	0.22	0.02	1,468
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	0.02	1.07	0.46	0.01	0.02	1.11	1.12	0.02	0.29	0.30	—	917	917	0.04	0.15	0.22	962
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.20	0.08	< 0.005	< 0.005	0.20	0.21	< 0.005	0.05	0.05	—	152	152	0.01	0.02	0.04	159

3.42. 4-Q (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.03	1.58	0.70	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,399	1,399	0.06	0.22	0.79	1,468
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.02	1.67	0.70	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,400	1,400	0.06	0.22	0.02	1,468
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	0.02	1.07	0.46	0.01	0.02	1.11	1.12	0.02	0.29	0.30	—	917	917	0.04	0.15	0.22	962
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.20	0.08	< 0.005	< 0.005	0.20	0.21	< 0.005	0.05	0.05	—	152	152	0.01	0.02	0.04	159

3.43. 4-F-1-A (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.04	0.89	0.00	0.00	1.36	1.36	0.00	0.34	0.34	—	290	290	< 0.005	< 0.005	0.29	291
Vendor	0.04	0.01	0.53	0.28	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	470	470	0.02	0.07	0.31	491
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.75	0.00	0.00	1.36	1.36	0.00	0.34	0.34	—	268	268	< 0.005	< 0.005	0.01	269
Vendor	0.04	0.01	0.56	0.29	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	470	470	0.02	0.07	0.01	491

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	47.6	47.6	< 0.005	< 0.005	0.02	47.7
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	82.4	82.4	< 0.005	0.01	0.02	86.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	7.88	7.88	< 0.005	< 0.005	< 0.005	7.90
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	13.6	13.6	< 0.005	< 0.005	< 0.005	14.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.44. 4-F-1-A (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.04	0.89	0.00	0.00	1.36	1.36	0.00	0.34	0.34	—	290	290	< 0.005	< 0.005	0.29	291
Vendor	0.04	0.01	0.53	0.28	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	470	470	0.02	0.07	0.31	491
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.75	0.00	0.00	1.36	1.36	0.00	0.34	0.34	—	268	268	< 0.005	< 0.005	0.01	269
Vendor	0.04	0.01	0.56	0.29	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	470	470	0.02	0.07	0.01	491
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	47.6	47.6	< 0.005	< 0.005	0.02	47.7
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	82.4	82.4	< 0.005	0.01	0.02	86.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	7.88	7.88	< 0.005	< 0.005	< 0.005	7.90
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	13.6	13.6	< 0.005	< 0.005	< 0.005	14.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.45. 4-F-1-C (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	5.18	4.32	41.6	60.7	0.13	0.71	—	0.71	0.66	—	0.66	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.18	4.32	41.6	60.7	0.13	0.71	—	0.71	0.66	—	0.66	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.48	2.07	19.9	29.1	0.06	0.34	—	0.34	0.31	—	0.31	—	6,459	6,459	0.26	0.05	—	6,482
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	0.38	3.64	5.31	0.01	0.06	—	0.06	0.06	—	0.06	—	1,069	1,069	0.04	0.01	—	1,073
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.07	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	579	579	0.01	0.01	0.57	581
Vendor	0.03	0.01	0.42	0.23	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	376	376	0.02	0.05	0.25	393
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.13	0.10	1.50	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	537	537	0.01	0.01	0.01	538
Vendor	0.03	0.01	0.45	0.23	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	376	376	0.02	0.05	0.01	393
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.05	0.71	0.00	0.00	1.28	1.28	0.00	0.32	0.32	—	260	260	< 0.005	< 0.005	0.12	261
Vendor	0.01	0.01	0.21	0.11	< 0.005	< 0.005	0.24	0.24	< 0.005	0.06	0.06	—	180	180	0.01	0.03	0.05	188
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	43.1	43.1	< 0.005	< 0.005	0.02	43.2
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	29.8	29.8	< 0.005	< 0.005	0.01	31.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.46. 4-F-1-C (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	2.06	22.4	0.04	0.08	—	0.08	0.08	—	0.08	—	4,182	4,182	0.17	0.03	—	4,197
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.38	4.09	0.01	0.01	—	0.01	0.01	—	0.01	—	692	692	0.03	0.01	—	695
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.07	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	579	579	0.01	0.01	0.57	581
Vendor	0.03	0.01	0.42	0.23	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	376	376	0.02	0.05	0.25	393
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.13	0.10	1.50	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	537	537	0.01	0.01	0.01	538
Vendor	0.03	0.01	0.45	0.23	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	376	376	0.02	0.05	0.01	393
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.07	0.06	0.05	0.71	0.00	0.00	1.28	1.28	0.00	0.32	0.32	—	260	260	< 0.005	< 0.005	0.12	261
Vendor	0.01	0.01	0.21	0.11	< 0.005	< 0.005	0.24	0.24	< 0.005	0.06	0.06	—	180	180	0.01	0.03	0.05	188
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	43.1	43.1	< 0.005	< 0.005	0.02	43.2
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	29.8	29.8	< 0.005	< 0.005	0.01	31.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.47. 4-F-1-C (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.14	4.29	41.2	60.4	0.13	0.69	—	0.69	0.64	—	0.64	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.14	4.29	41.2	60.4	0.13	0.69	—	0.69	0.64	—	0.64	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	3.67	3.07	29.4	43.2	0.10	0.49	—	0.49	0.45	—	0.45	—	9,623	9,623	0.39	0.08	—	9,656
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.56	5.37	7.88	0.02	0.09	—	0.09	0.08	—	0.08	—	1,593	1,593	0.06	0.01	—	1,599
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.07	1.72	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	575	575	0.01	< 0.005	0.48	576
Vendor	0.03	0.01	0.41	0.22	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	365	365	0.02	0.05	0.20	382
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.10	1.46	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	533	533	0.01	0.01	0.01	534
Vendor	0.03	0.01	0.43	0.23	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	366	366	0.02	0.05	0.01	383
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.07	1.03	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	385	385	0.01	< 0.005	0.15	386
Vendor	0.02	0.01	0.30	0.16	< 0.005	< 0.005	0.36	0.36	< 0.005	0.09	0.09	—	261	261	0.01	0.04	0.06	273
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	63.7	63.7	< 0.005	< 0.005	0.02	63.9
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	43.2	43.2	< 0.005	0.01	0.01	45.2

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.48. 4-F-1-C (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.59	3.07	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,231	6,231	0.25	0.05	—	6,252
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.11	0.11	0.56	6.09	0.01	0.02	—	0.02	0.02	—	0.02	—	1,032	1,032	0.04	0.01	—	1,035
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.07	1.72	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	575	575	0.01	< 0.005	0.48	576
Vendor	0.03	0.01	0.41	0.22	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	365	365	0.02	0.05	0.20	382
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.10	1.46	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	533	533	0.01	0.01	0.01	534
Vendor	0.03	0.01	0.43	0.23	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	366	366	0.02	0.05	0.01	383
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.07	1.03	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	385	385	0.01	< 0.005	0.15	386
Vendor	0.02	0.01	0.30	0.16	< 0.005	< 0.005	0.36	0.36	< 0.005	0.09	0.09	—	261	261	0.01	0.04	0.06	273
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	63.7	63.7	< 0.005	< 0.005	0.02	63.9
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	43.2	43.2	< 0.005	0.01	0.01	45.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.49. 4-F-1-C (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.10	4.26	40.6	60.0	0.13	0.67	—	0.67	0.61	—	0.61	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.10	4.26	40.6	60.0	0.13	0.67	—	0.67	0.61	—	0.61	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.52	1.27	12.1	17.8	0.04	0.20	—	0.20	0.18	—	0.18	—	4,007	4,007	0.16	0.03	—	4,021
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.23	2.20	3.26	0.01	0.04	—	0.04	0.03	—	0.03	—	663	663	0.03	0.01	—	666
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.12	0.07	1.67	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	571	571	0.01	< 0.005	0.41	572
Vendor	0.02	0.01	0.40	0.22	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	356	356	0.01	0.05	0.17	373
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.10	1.41	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	529	529	0.01	0.01	0.01	531
Vendor	0.02	0.01	0.42	0.22	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	357	357	0.01	0.05	< 0.005	373
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.42	0.00	0.00	0.79	0.79	0.00	0.20	0.20	—	159	159	< 0.005	< 0.005	0.05	160
Vendor	0.01	< 0.005	0.12	0.07	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.04	—	106	106	< 0.005	0.02	0.02	111
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.08	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	26.3	26.3	< 0.005	< 0.005	0.01	26.4
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	17.6	17.6	< 0.005	< 0.005	< 0.005	18.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.50. 4-F-1-C (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.25	1.28	13.9	0.02	0.05	—	0.05	0.05	—	0.05	—	2,595	2,595	0.11	0.02	—	2,604
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.23	2.53	< 0.005	0.01	—	0.01	0.01	—	0.01	—	430	430	0.02	< 0.005	—	431
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.12	0.07	1.67	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	571	571	0.01	< 0.005	0.41	572
Vendor	0.02	0.01	0.40	0.22	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	356	356	0.01	0.05	0.17	373
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.10	1.41	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	529	529	0.01	0.01	0.01	531
Vendor	0.02	0.01	0.42	0.22	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	357	357	0.01	0.05	< 0.005	373
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.42	0.00	0.00	0.79	0.79	0.00	0.20	0.20	—	159	159	< 0.005	< 0.005	0.05	160
Vendor	0.01	< 0.005	0.12	0.07	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.04	—	106	106	< 0.005	0.02	0.02	111
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.08	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	26.3	26.3	< 0.005	< 0.005	0.01	26.4
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	17.6	17.6	< 0.005	< 0.005	< 0.005	18.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.51. 4-P (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.34	3.47	6.41	0.01	0.07	—	0.07	0.07	—	0.07	—	991	991	0.04	0.01	—	994
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.34	3.47	6.41	0.01	0.07	—	0.07	0.07	—	0.07	—	991	991	0.04	0.01	—	994
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.83	1.53	< 0.005	0.02	—	0.02	0.02	—	0.02	—	236	236	0.01	< 0.005	—	237
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.15	0.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	39.1	39.1	< 0.005	< 0.005	—	39.2
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.43	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	144	144	< 0.005	< 0.005	0.12	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.37	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	133	133	< 0.005	< 0.005	< 0.005	134
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	32.1	32.1	< 0.005	< 0.005	0.01	32.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	5.31	5.31	< 0.005	< 0.005	< 0.005	5.33
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.52. 4-P (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.14	1.30	6.89	0.01	0.03	—	0.03	0.03	—	0.03	—	991	991	0.04	0.01	—	994
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.14	1.30	6.89	0.01	0.03	—	0.03	0.03	—	0.03	—	991	991	0.04	0.01	—	994
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.31	1.64	< 0.005	0.01	—	0.01	0.01	—	0.01	—	236	236	0.01	< 0.005	—	237
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	39.1	39.1	< 0.005	< 0.005	—	39.2
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.43	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	144	144	< 0.005	< 0.005	0.12	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.37	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	133	133	< 0.005	< 0.005	< 0.005	134
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	32.1	32.1	< 0.005	< 0.005	0.01	32.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	5.31	5.31	< 0.005	< 0.005	< 0.005	5.33
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.53. 4-O (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.75	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	58.8	58.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.75	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	58.8	58.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.18	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.8	31.8	< 0.005	< 0.005	—	31.9
Architectural Coatings	14.0	14.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.27	5.27	< 0.005	< 0.005	—	5.29
Architectural Coatings	2.56	2.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.28	0.00	0.00	0.44	0.44	0.00	0.11	0.11	—	93.4	93.4	< 0.005	< 0.005	0.08	93.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.44	0.44	0.00	0.11	0.11	—	86.5	86.5	< 0.005	< 0.005	< 0.005	86.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.06	0.00	0.00	0.10	0.10	0.00	0.03	0.03	—	20.9	20.9	< 0.005	< 0.005	0.01	20.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.45	3.45	< 0.005	< 0.005	< 0.005	3.47
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.54. 4-O (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	28.0	28.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	28.0	28.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	6.67	6.67	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Architect Coatings	1.22	1.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.28	0.00	0.00	0.44	0.44	0.00	0.11	0.11	—	93.4	93.4	< 0.005	< 0.005	0.08	93.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.44	0.44	0.00	0.11	0.11	—	86.5	86.5	< 0.005	< 0.005	< 0.005	86.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.06	0.00	0.00	0.10	0.10	0.00	0.03	0.03	—	20.9	20.9	< 0.005	< 0.005	0.01	20.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.45	3.45	< 0.005	< 0.005	< 0.005	3.47
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.55. 4-E-1 (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.95	16.4	18.6	0.03	0.08	—	0.08	0.07	—	0.07	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	11.1	11.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.99	1.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	202	202	0.01	< 0.005	—	202
Architectural Coatings	0.67	0.67	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.18	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	33.4	33.4	< 0.005	< 0.005	—	33.5
Architectural Coatings	0.12	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.91	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	333	333	0.01	< 0.005	0.01	334
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.05	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	20.4	20.4	< 0.005	< 0.005	0.01	20.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.38	3.38	< 0.005	< 0.005	< 0.005	3.39
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.56. 4-E-1 (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	4.93	4.93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.30	0.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.05	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.91	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	333	333	0.01	< 0.005	0.01	334
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.05	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	20.4	20.4	< 0.005	< 0.005	0.01	20.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.38	3.38	< 0.005	< 0.005	< 0.005	3.39
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.57. 4-E-1 (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.95	16.4	18.6	0.03	0.08	—	0.08	0.07	—	0.07	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	11.1	11.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.95	16.4	18.6	0.03	0.08	—	0.08	0.07	—	0.07	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	11.1	11.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	0.40	6.83	7.75	0.01	0.03	—	0.03	0.03	—	0.03	—	1,385	1,385	0.06	0.01	—	1,390
Architectural Coatings	4.62	4.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	1.25	1.41	< 0.005	0.01	—	0.01	0.01	—	0.01	—	229	229	0.01	< 0.005	—	230
Architectural Coatings	0.84	0.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.04	1.05	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	357	357	< 0.005	< 0.005	0.25	358
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.88	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	331	331	< 0.005	< 0.005	0.01	332
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.37	0.00	0.00	0.70	0.70	0.00	0.17	0.17	—	139	139	< 0.005	< 0.005	0.05	140
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	23.1	23.1	< 0.005	< 0.005	0.01	23.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.58. 4-E-1 (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	4.93	4.93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	4.93	4.93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	2.05	2.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Architect Coatings	0.37	0.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.04	1.05	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	357	357	< 0.005	< 0.005	0.25	358
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.88	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	331	331	< 0.005	< 0.005	0.01	332
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.37	0.00	0.00	0.70	0.70	0.00	0.17	0.17	—	139	139	< 0.005	< 0.005	0.05	140
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	23.1	23.1	< 0.005	< 0.005	0.01	23.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.59. 4-E-2 (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.95	16.4	18.6	0.03	0.08	—	0.08	0.07	—	0.07	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	11.0	11.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.95	16.4	18.6	0.03	0.08	—	0.08	0.07	—	0.07	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	11.0	11.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55	0.46	7.85	8.92	0.02	0.04	—	0.04	0.03	—	0.03	—	1,593	1,593	0.06	0.01	—	1,599
Architectural Coatings	5.29	5.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	1.43	1.63	< 0.005	0.01	—	0.01	0.01	—	0.01	—	264	264	0.01	< 0.005	—	265
Architectural Coatings	0.96	0.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.04	1.05	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	357	357	< 0.005	< 0.005	0.25	358
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.88	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	331	331	< 0.005	< 0.005	0.01	332
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.42	0.00	0.00	0.80	0.80	0.00	0.20	0.20	—	160	160	< 0.005	< 0.005	0.05	161
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.08	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	26.5	26.5	< 0.005	< 0.005	0.01	26.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.60. 4-E-2 (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	4.90	4.90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	4.90	4.90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Architect Coatings	2.35	2.35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.43	0.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.04	1.05	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	357	357	< 0.005	< 0.005	0.25	358
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.88	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	331	331	< 0.005	< 0.005	0.01	332
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.42	0.00	0.00	0.80	0.80	0.00	0.20	0.20	—	160	160	< 0.005	< 0.005	0.05	161
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	< 0.005	0.08	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	26.5	26.5	< 0.005	< 0.005	0.01	26.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.61. 4-G (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.95	16.4	18.6	0.03	0.08	—	0.08	0.07	—	0.07	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	10.5	10.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.17	2.95	3.35	0.01	0.01	—	0.01	0.01	—	0.01	—	598	598	0.02	< 0.005	—	600
Architectural Coatings	1.89	1.89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.54	0.61	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	99.1	99.1	< 0.005	< 0.005	—	99.4
Architectural Coatings	0.35	0.35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.91	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	333	333	0.01	< 0.005	0.01	334
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.16	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	60.6	60.6	< 0.005	< 0.005	0.02	60.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.0	10.0	< 0.005	< 0.005	< 0.005	10.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.62. 4-G (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	4.68	4.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.84	0.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.15	0.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.91	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	333	333	0.01	< 0.005	0.01	334
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.16	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	60.6	60.6	< 0.005	< 0.005	0.02	60.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.0	10.0	< 0.005	< 0.005	< 0.005	10.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.63. 4-G (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.95	16.4	18.6	0.03	0.08	—	0.08	0.07	—	0.07	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	10.5	10.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.95	16.4	18.6	0.03	0.08	—	0.08	0.07	—	0.07	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	10.5	10.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	0.28	4.87	5.53	0.01	0.02	—	0.02	0.02	—	0.02	—	989	989	0.04	0.01	—	992
Architectural Coatings	3.13	3.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.89	1.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	164	164	0.01	< 0.005	—	164
Architectural Coatings	0.57	0.57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.04	1.05	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	357	357	< 0.005	< 0.005	0.25	358
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.88	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	331	331	< 0.005	< 0.005	0.01	332
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.01	0.26	0.00	0.00	0.50	0.50	0.00	0.12	0.12	—	99.4	99.4	< 0.005	< 0.005	0.03	99.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	16.5	16.5	< 0.005	< 0.005	0.01	16.5

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.64. 4-G (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	4.68	4.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	4.68	4.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	1.39	1.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.25	0.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.04	1.05	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	357	357	< 0.005	< 0.005	0.25	358
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.88	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	331	331	< 0.005	< 0.005	0.01	332
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.01	0.26	0.00	0.00	0.50	0.50	0.00	0.12	0.12	—	99.4	99.4	< 0.005	< 0.005	0.03	99.8

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	16.5	16.5	< 0.005	< 0.005	0.01	16.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.65. 4-D-1-B (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.81	2.33	20.0	20.0	0.04	0.63	—	0.63	0.58	—	0.58	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.42	3.62	3.62	0.01	0.11	—	0.11	0.10	—	0.10	—	627	627	0.03	0.01	—	629
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.09	0.08	0.66	0.66	< 0.005	0.02	—	0.02	0.02	—	0.02	—	104	104	< 0.005	< 0.005	—	104
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.39	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	135	135	< 0.005	< 0.005	< 0.005	136
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	24.7	24.7	< 0.005	< 0.005	0.01	24.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.10	4.10	< 0.005	< 0.005	< 0.005	4.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.66. 4-D-1-B (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.38	2.00	17.1	20.4	0.04	0.59	—	0.59	0.54	—	0.54	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	0.36	3.10	3.70	0.01	0.11	—	0.11	0.10	—	0.10	—	627	627	0.03	0.01	—	629
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.57	0.67	< 0.005	0.02	—	0.02	0.02	—	0.02	—	104	104	< 0.005	< 0.005	—	104
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.39	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	135	135	< 0.005	< 0.005	< 0.005	136
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	24.7	24.7	< 0.005	< 0.005	0.01	24.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.10	4.10	< 0.005	< 0.005	< 0.005	4.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.67. 4-D-2-B (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.81	2.33	20.0	20.0	0.04	0.62	—	0.62	0.57	—	0.57	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.81	2.33	20.0	20.0	0.04	0.62	—	0.62	0.57	—	0.57	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.49	0.41	3.50	3.51	0.01	0.11	—	0.11	0.10	—	0.10	—	608	608	0.02	< 0.005	—	610
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.64	0.64	< 0.005	0.02	—	0.02	0.02	—	0.02	—	101	101	< 0.005	< 0.005	—	101
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.44	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	145	145	< 0.005	< 0.005	0.14	145
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.37	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	134	134	< 0.005	< 0.005	< 0.005	135
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	23.8	23.8	< 0.005	< 0.005	0.01	23.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	3.94	3.94	< 0.005	< 0.005	< 0.005	3.95
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.68. 4-D-2-B (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.38	2.00	17.1	20.4	0.04	0.59	—	0.59	0.54	—	0.54	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.38	2.00	17.1	20.4	0.04	0.59	—	0.59	0.54	—	0.54	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.35	3.00	3.58	0.01	0.10	—	0.10	0.09	—	0.09	—	608	608	0.02	< 0.005	—	610
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.08	0.06	0.55	0.65	< 0.005	0.02	—	0.02	0.02	—	0.02	—	101	101	< 0.005	< 0.005	—	101
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.44	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	145	145	< 0.005	< 0.005	0.14	145
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.37	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	134	134	< 0.005	< 0.005	< 0.005	135
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	23.8	23.8	< 0.005	< 0.005	0.01	23.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	3.94	3.94	< 0.005	< 0.005	< 0.005	3.95
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.69. 4-F-1-B (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.81	2.33	20.0	20.0	0.04	0.62	—	0.62	0.57	—	0.57	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.81	2.33	20.0	20.0	0.04	0.62	—	0.62	0.57	—	0.57	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	0.41	3.50	3.51	0.01	0.11	—	0.11	0.10	—	0.10	—	608	608	0.02	< 0.005	—	610
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.64	0.64	< 0.005	0.02	—	0.02	0.02	—	0.02	—	101	101	< 0.005	< 0.005	—	101
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.44	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	145	145	< 0.005	< 0.005	0.14	145
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.37	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	134	134	< 0.005	< 0.005	< 0.005	135
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	23.8	23.8	< 0.005	< 0.005	0.01	23.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	3.94	3.94	< 0.005	< 0.005	< 0.005	3.95
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.70. 4-F-1-B (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	2.38	2.00	17.1	20.4	0.04	0.59	—	0.59	0.54	—	0.54	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.38	2.00	17.1	20.4	0.04	0.59	—	0.59	0.54	—	0.54	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.35	3.00	3.58	0.01	0.10	—	0.10	0.09	—	0.09	—	608	608	0.02	< 0.005	—	610
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.55	0.65	< 0.005	0.02	—	0.02	0.02	—	0.02	—	101	101	< 0.005	< 0.005	—	101
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.44	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	145	145	< 0.005	< 0.005	0.14	145
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.37	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	134	134	< 0.005	< 0.005	< 0.005	135
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	23.8	23.8	< 0.005	< 0.005	0.01	23.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	3.94	3.94	< 0.005	< 0.005	< 0.005	3.95
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.71. 4-H (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.83	1.54	13.8	26.8	0.04	0.47	—	0.47	0.43	—	0.43	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.83	1.54	13.8	26.8	0.04	0.47	—	0.47	0.43	—	0.43	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	0.28	2.50	4.85	0.01	0.09	—	0.09	0.08	—	0.08	—	744	744	0.03	0.01	—	746
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.46	0.88	< 0.005	0.02	—	0.02	0.01	—	0.01	—	123	123	< 0.005	< 0.005	—	124
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.03	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	217	217	< 0.005	< 0.005	0.21	218
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	36.8	36.8	< 0.005	< 0.005	0.02	36.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.09	6.09	< 0.005	< 0.005	< 0.005	6.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.72. 4-H (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.07	0.07	0.58	5.20	0.01	0.01	—	0.01	0.01	—	0.01	—	744	744	0.03	0.01	—	746
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.95	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	123	123	< 0.005	< 0.005	—	124
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.03	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	217	217	< 0.005	< 0.005	0.21	218
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	36.8	36.8	< 0.005	< 0.005	0.02	36.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.09	6.09	< 0.005	< 0.005	< 0.005	6.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.73. 4-I (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.83	1.54	13.8	26.8	0.04	0.47	—	0.47	0.43	—	0.43	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.83	1.54	13.8	26.8	0.04	0.47	—	0.47	0.43	—	0.43	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.66	0.56	5.01	9.69	0.01	0.17	—	0.17	0.16	—	0.16	—	1,487	1,487	0.06	0.01	—	1,492
Dust From Material Movemer	—	—	—	—	—	—	1.15	1.15	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.91	1.77	< 0.005	0.03	—	0.03	0.03	—	0.03	—	246	246	0.01	< 0.005	—	247
Dust From Material Movemer	—	—	—	—	—	—	0.21	0.21	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.03	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	217	217	< 0.005	< 0.005	0.21	218
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	18.8	18.8	< 0.005	< 0.005	0.01	19.6
Hauling	0.02	< 0.005	0.28	0.13	< 0.005	< 0.005	0.30	0.30	< 0.005	0.08	0.08	—	249	249	0.01	0.04	0.18	261
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	18.8	18.8	< 0.005	< 0.005	< 0.005	19.7
Hauling	0.02	< 0.005	0.30	0.13	< 0.005	< 0.005	0.30	0.30	< 0.005	0.08	0.08	—	249	249	0.01	0.04	< 0.005	261
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.20	0.00	0.00	0.36	0.36	0.00	0.09	0.09	—	73.6	73.6	< 0.005	< 0.005	0.03	73.9

Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	6.80	6.80	< 0.005	< 0.005	< 0.005	7.10
Hauling	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	89.9	89.9	< 0.005	0.01	0.03	94.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	12.2	12.2	< 0.005	< 0.005	0.01	12.2
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.13	1.13	< 0.005	< 0.005	< 0.005	1.18
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	14.9	14.9	< 0.005	< 0.005	< 0.005	15.6

3.74. 4-I (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127

Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	1.16	10.4	0.01	0.03	—	0.03	0.03	—	0.03	—	1,487	1,487	0.06	0.01	—	1,492
Dust From Material Movemer	—	—	—	—	—	—	0.45	0.45	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.21	1.90	< 0.005	0.01	—	0.01	0.01	—	0.01	—	246	246	0.01	< 0.005	—	247
Dust From Material Movemer	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.03	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	217	217	< 0.005	< 0.005	0.21	218
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	18.8	18.8	< 0.005	< 0.005	0.01	19.6
Hauling	0.02	< 0.005	0.28	0.13	< 0.005	< 0.005	0.30	0.30	< 0.005	0.08	0.08	—	249	249	0.01	0.04	0.18	261

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	18.8	18.8	< 0.005	< 0.005	< 0.005	19.7
Hauling	0.02	< 0.005	0.30	0.13	< 0.005	< 0.005	0.30	0.30	< 0.005	0.08	0.08	—	249	249	0.01	0.04	< 0.005	261
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.20	0.00	0.00	0.36	0.36	0.00	0.09	0.09	—	73.6	73.6	< 0.005	< 0.005	0.03	73.9
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	6.80	6.80	< 0.005	< 0.005	< 0.005	7.10
Hauling	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	89.9	89.9	< 0.005	0.01	0.03	94.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	12.2	12.2	< 0.005	< 0.005	0.01	12.2
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.13	1.13	< 0.005	< 0.005	< 0.005	1.18
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	14.9	14.9	< 0.005	< 0.005	< 0.005	15.6

3.75. 4-J (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.83	1.54	13.8	26.8	0.04	0.47	—	0.47	0.43	—	0.43	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.84	1.63	< 0.005	0.03	—	0.03	0.03	—	0.03	—	249	249	0.01	< 0.005	—	250
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	0.30	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	41.3	41.3	< 0.005	< 0.005	—	41.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	12.3	12.3	< 0.005	< 0.005	0.01	12.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.04	2.04	< 0.005	< 0.005	< 0.005	2.05
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.76. 4-J (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.19	1.74	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	249	249	0.01	< 0.005	—	250
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.3	41.3	< 0.005	< 0.005	—	41.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	12.3	12.3	< 0.005	< 0.005	0.01	12.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.04	2.04	< 0.005	< 0.005	< 0.005	2.05
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.77. 4-J (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.78	1.50	13.4	26.8	0.04	0.43	—	0.43	0.40	—	0.40	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipmer	1.78 t	1.50	13.4	26.8	0.04	0.43	—	0.43	0.40	—	0.40	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.53	0.45	3.99	7.96	0.01	0.13	—	0.13	0.12	—	0.12	—	1,223	1,223	0.05	0.01	—	1,227
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.10	0.08	0.73	1.45	< 0.005	0.02	—	0.02	0.02	—	0.02	—	203	203	0.01	< 0.005	—	203
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.03	0.65	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	216	216	< 0.005	< 0.005	0.18	216
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.55	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	200	200	< 0.005	< 0.005	< 0.005	200
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02	0.01	0.01	0.16	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	60.1	60.1	< 0.005	< 0.005	0.02	60.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.94	9.94	< 0.005	< 0.005	< 0.005	9.98
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.78. 4-J (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.12	0.12	0.95	8.55	0.01	0.02	—	0.02	0.02	—	0.02	—	1,223	1,223	0.05	0.01	—	1,227
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.17	1.56	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	203	203	0.01	< 0.005	—	203
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.03	0.65	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	216	216	< 0.005	< 0.005	0.18	216
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.55	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	200	200	< 0.005	< 0.005	< 0.005	200
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.16	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	60.1	60.1	< 0.005	< 0.005	0.02	60.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.94	9.94	< 0.005	< 0.005	< 0.005	9.98
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.79. 4-K (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.00	1.68	15.5	30.8	0.04	0.48	—	0.48	0.44	—	0.44	—	4,744	4,744	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.00	1.68	15.5	30.8	0.04	0.48	—	0.48	0.44	—	0.44	—	4,744	4,744	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	0.41	3.77	7.52	0.01	0.12	—	0.12	0.11	—	0.11	—	1,157	1,157	0.05	0.01	—	1,161
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.09	0.07	0.69	1.37	< 0.005	0.02	—	0.02	0.02	—	0.02	—	191	191	0.01	< 0.005	—	192
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.03	0.75	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	251	251	< 0.005	< 0.005	0.21	252
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.64	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	233	233	< 0.005	< 0.005	0.01	234
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.15	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	57.4	57.4	< 0.005	< 0.005	0.02	57.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.51	9.51	< 0.005	< 0.005	< 0.005	9.54
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.80. 4-K (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.46	3.52	33.2	0.04	0.09	—	0.09	0.09	—	0.09	—	4,744	4,744	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.46	3.52	33.2	0.04	0.09	—	0.09	0.09	—	0.09	—	4,744	4,744	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.86	8.09	0.01	0.02	—	0.02	0.02	—	0.02	—	1,157	1,157	0.05	0.01	—	1,161
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	1.48	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	191	191	0.01	< 0.005	—	192
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.03	0.75	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	251	251	< 0.005	< 0.005	0.21	252
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.64	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	233	233	< 0.005	< 0.005	0.01	234
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.15	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	57.4	57.4	< 0.005	< 0.005	0.02	57.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.51	9.51	< 0.005	< 0.005	< 0.005	9.54
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
4-C	Demolition	6/1/2036	9/1/2036	5.00	66.0	—
4-A	Site Preparation	6/1/2036	9/1/2036	5.00	66.0	—
4-M	Site Preparation	9/1/2036	12/1/2036	5.00	66.0	—
4-B	Grading	9/1/2036	6/1/2037	5.00	196	—

4-L	Grading	7/1/2036	9/1/2036	5.00	45.0	—
4-N	Building Construction	12/1/2036	6/1/2038	5.00	392	—
4-D-1-A	Building Construction	10/1/2036	12/31/2036	5.00	66.0	—
4-D-1-C	Building Construction	1/1/2037	2/1/2039	5.00	544	—
4-D-2-A	Building Construction	2/1/2037	4/30/2037	5.00	64.0	—
4-D-2-C	Building Construction	5/1/2037	6/1/2039	5.00	544	—
4-Q	Building Construction	3/1/2036	12/1/2039	5.00	979	—
4-F-1-A	Building Construction	2/1/2037	4/30/2037	5.00	64.0	—
4-F-1-C	Building Construction	5/1/2037	6/1/2039	5.00	544	—
4-P	Paving	2/1/2038	6/1/2038	5.00	87.0	—
4-O	Architectural Coating	2/1/2038	6/1/2038	5.00	87.0	—
4-E-1	Architectural Coating	12/1/2038	8/1/2039	5.00	174	—
4-E-2	Architectural Coating	4/1/2039	12/1/2039	5.00	175	—
4-G	Architectural Coating	10/1/2038	6/1/2039	5.00	174	—
4-D-1-B	Trenching	10/1/2036	12/31/2036	5.00	66.0	—
4-D-2-B	Trenching	2/1/2037	4/30/2037	5.00	64.0	—
4-F-1-B	Trenching	2/1/2037	4/30/2037	5.00	64.0	—
4-H	Linear, Grubbing & Land Clearing	3/1/2037	6/1/2037	5.00	66.0	—
4-I	Linear, Grading & Excavation	6/1/2037	12/1/2037	5.00	132	—
4-J	Linear, Drainage, Utilities, & Sub-Grade	12/1/2037	6/1/2038	5.00	131	—
4-K	Linear, Paving	6/1/2038	10/1/2038	5.00	89.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

4-C	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
4-C	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
4-C	Concrete/Industrial Saws	Diesel	Average	4.00	4.00	33.0	0.73
4-C	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
4-A	Excavators	Diesel	Average	8.00	8.00	36.0	0.38
4-A	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
4-M	Rubber Tired Dozers	Diesel	Average	1.00	7.00	367	0.40
4-M	Tractors/Loaders/Back hoes	Diesel	Average	1.00	8.00	84.0	0.37
4-M	Graders	Diesel	Average	1.00	8.00	148	0.41
4-B	Excavators	Diesel	Average	8.00	8.00	36.0	0.38
4-B	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
4-L	Graders	Diesel	Average	1.00	8.00	148	0.41
4-L	Tractors/Loaders/Back hoes	Diesel	Average	2.00	7.00	84.0	0.37
4-L	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
4-N	Tractors/Loaders/Back hoes	Diesel	Average	1.00	6.00	84.0	0.37
4-N	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
4-N	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
4-N	Cranes	Diesel	Average	1.00	6.00	367	0.29
4-N	Welders	Diesel	Average	3.00	8.00	46.0	0.45
4-D-1-C	Cranes	Diesel	Average	7.00	8.00	367	0.29
4-D-1-C	Welders	Diesel	Average	12.0	8.00	46.0	0.45
4-D-1-C	Aerial Lifts	Diesel	Average	18.0	6.00	46.0	0.31
4-D-1-C	Air Compressors	Diesel	Average	6.00	2.00	37.0	0.48
4-D-1-C	Rough Terrain Forklifts	Diesel	Average	10.0	4.00	96.0	0.40
4-D-2-C	Cranes	Diesel	Average	7.00	8.00	367	0.29

4-D-2-C	Welders	Diesel	Average	12.0	8.00	46.0	0.45
4-D-2-C	Aerial Lifts	Diesel	Average	18.0	6.00	46.0	0.31
4-D-2-C	Air Compressors	Diesel	Average	6.00	2.00	37.0	0.48
4-D-2-C	Rough Terrain Forklifts	Diesel	Average	10.0	4.00	96.0	0.40
4-F-1-C	Cranes	Diesel	Average	7.00	8.00	367	0.29
4-F-1-C	Aerial Lifts	Diesel	Average	18.0	6.00	46.0	0.31
4-F-1-C	Welders	Diesel	Average	12.0	8.00	46.0	0.45
4-F-1-C	Air Compressors	Diesel	Average	6.00	2.00	37.0	0.48
4-F-1-C	Rough Terrain Forklifts	Diesel	Average	10.0	4.00	96.0	0.40
4-P	Pavers	Diesel	Average	1.00	6.00	81.0	0.42
4-P	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
4-P	Tractors/Loaders/Back hoes	Diesel	Average	1.00	8.00	84.0	0.37
4-P	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
4-P	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
4-O	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
4-E-1	Air Compressors	Diesel	Average	5.00	4.00	37.0	0.48
4-E-1	Aerial Lifts	Diesel	Average	13.0	12.0	46.0	0.31
4-E-2	Air Compressors	Diesel	Average	5.00	4.00	37.0	0.48
4-E-2	Aerial Lifts	Diesel	Average	13.0	12.0	46.0	0.31
4-G	Air Compressors	Diesel	Average	5.00	4.00	37.0	0.48
4-G	Aerial Lifts	Diesel	Average	13.0	12.0	46.0	0.31
4-D-1-B	Tractors/Loaders/Back hoes	Diesel	Average	6.00	5.00	84.0	0.37
4-D-1-B	Excavators	Diesel	Average	6.00	4.00	36.0	0.38
4-D-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
4-D-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
4-D-2-B	Tractors/Loaders/Back hoes	Diesel	Average	6.00	5.00	84.0	0.37

4-D-2-B	Excavators	Diesel	Average	6.00	4.00	36.0	0.38
4-D-2-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
4-D-2-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
4-F-1-B	Tractors/Loaders/Back hoes	Diesel	Average	6.00	5.00	84.0	0.37
4-F-1-B	Excavators	Diesel	Average	6.00	4.00	36.0	0.38
4-F-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
4-F-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
4-H	Graders	Diesel	Average	2.00	8.00	148	0.41
4-H	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
4-H	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
4-H	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
4-H	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
4-I	Graders	Diesel	Average	2.00	8.00	148	0.41
4-I	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
4-I	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
4-I	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
4-I	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
4-J	Graders	Diesel	Average	2.00	8.00	148	0.41
4-J	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
4-J	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
4-J	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
4-J	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
4-K	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
4-K	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
4-K	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37

4-K	Graders	Diesel	Average	2.00	8.00	148	0.41
4-K	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
4-K	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
4-C	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
4-C	Excavators	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
4-C	Concrete/Industrial Saws	Diesel	Tier 4 Final	4.00	4.00	33.0	0.73
4-C	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
4-A	Excavators	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
4-A	Excavators	Electric	Average	4.00	8.00	36.0	0.38
4-A	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
4-M	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	7.00	367	0.40
4-M	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
4-M	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
4-B	Excavators	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
4-B	Excavators	Electric	Average	4.00	8.00	36.0	0.38
4-B	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
4-L	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
4-L	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	84.0	0.37
4-L	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
4-N	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	6.00	84.0	0.37
4-N	Forklifts	Electric	Average	1.00	6.00	82.0	0.20
4-N	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74

4-N	Cranes	Diesel	Tier 4 Final	1.00	6.00	367	0.29
4-N	Welders	Electric	Average	3.00	8.00	46.0	0.45
4-D-1-C	Cranes	Diesel	Tier 4 Final	7.00	8.00	367	0.29
4-D-1-C	Welders	Electric	Average	12.0	8.00	46.0	0.45
4-D-1-C	Aerial Lifts	Electric	Average	18.0	6.00	46.0	0.31
4-D-1-C	Air Compressors	Electric	Average	6.00	2.00	37.0	0.48
4-D-1-C	Rough Terrain Forklifts	Diesel	Tier 4 Final	10.0	4.00	96.0	0.40
4-D-2-C	Cranes	Diesel	Tier 4 Final	7.00	8.00	367	0.29
4-D-2-C	Welders	Electric	Average	12.0	8.00	46.0	0.45
4-D-2-C	Aerial Lifts	Electric	Average	18.0	6.00	46.0	0.31
4-D-2-C	Air Compressors	Electric	Average	6.00	2.00	37.0	0.48
4-D-2-C	Rough Terrain Forklifts	Diesel	Tier 4 Final	10.0	4.00	96.0	0.40
4-F-1-C	Cranes	Diesel	Tier 4 Final	7.00	8.00	367	0.29
4-F-1-C	Aerial Lifts	Electric	Average	18.0	6.00	46.0	0.31
4-F-1-C	Welders	Electric	Average	12.0	8.00	46.0	0.45
4-F-1-C	Air Compressors	Electric	Average	6.00	2.00	37.0	0.48
4-F-1-C	Rough Terrain Forklifts	Diesel	Tier 4 Final	10.0	4.00	96.0	0.40
4-P	Pavers	Diesel	Tier 4 Final	1.00	6.00	81.0	0.42
4-P	Rollers	Diesel	Tier 4 Final	1.00	7.00	36.0	0.38
4-P	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
4-P	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
4-P	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
4-O	Air Compressors	Electric	Average	1.00	6.00	37.0	0.48
4-E-1	Air Compressors	Electric	Average	5.00	4.00	37.0	0.48
4-E-1	Aerial Lifts	Electric	Average	13.0	12.0	46.0	0.31
4-E-2	Air Compressors	Electric	Average	5.00	4.00	37.0	0.48
4-E-2	Aerial Lifts	Electric	Average	13.0	12.0	46.0	0.31

4-G	Air Compressors	Electric	Average	5.00	4.00	37.0	0.48
4-G	Aerial Lifts	Electric	Average	13.0	12.0	46.0	0.31
4-D-1-B	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	6.00	5.00	84.0	0.37
4-D-1-B	Excavators	Diesel	Tier 4 Final	6.00	4.00	36.0	0.38
4-D-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
4-D-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
4-D-2-B	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	6.00	5.00	84.0	0.37
4-D-2-B	Excavators	Diesel	Tier 4 Final	6.00	4.00	36.0	0.38
4-D-2-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
4-D-2-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
4-F-1-B	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	6.00	5.00	84.0	0.37
4-F-1-B	Excavators	Diesel	Tier 4 Final	6.00	4.00	36.0	0.38
4-F-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
4-F-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
4-H	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
4-H	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
4-H	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
4-H	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
4-H	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
4-I	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
4-I	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
4-I	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
4-I	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
4-I	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
4-J	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41

4-J	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
4-J	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
4-J	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
4-J	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
4-K	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
4-K	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
4-K	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
4-K	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
4-K	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
4-K	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
4-C	—	—	—	—
4-C	Worker	20.0	11.7	LDA,LDT1,LDT2
4-C	Vendor	0.00	8.40	HHDT,MHDT
4-C	Hauling	50.0	25.0	HHDT
4-C	Onsite truck	0.00	0.00	HHDT
4-A	—	—	—	—
4-A	Worker	30.0	11.7	LDA,LDT1,LDT2
4-A	Vendor	0.00	8.40	HHDT,MHDT
4-A	Hauling	26.0	25.0	HHDT
4-A	Onsite truck	0.00	0.00	HHDT
4-B	—	—	—	—
4-B	Worker	30.0	11.7	LDA,LDT1,LDT2

4-B	Vendor	0.00	8.40	HHDT,MHDT
4-B	Hauling	26.0	25.0	HHDT
4-B	Onsite truck	0.00	0.00	HHDT
4-D-1-A	—	—	—	—
4-D-1-A	Worker	50.0	11.7	LDA,LDT1,LDT2
4-D-1-A	Vendor	25.0	8.40	HHDT,MHDT
4-D-1-A	Hauling	0.00	20.0	HHDT
4-D-1-A	Onsite truck	0.00	0.00	HHDT
4-E-1	—	—	—	—
4-E-1	Worker	50.0	11.7	LDA,LDT1,LDT2
4-E-1	Vendor	0.00	8.40	HHDT,MHDT
4-E-1	Hauling	0.00	20.0	HHDT
4-E-1	Onsite truck	0.00	0.00	HHDT
4-H	—	—	—	—
4-H	Worker	30.0	11.7	LDA,LDT1,LDT2
4-H	Vendor	0.00	8.40	HHDT,MHDT
4-H	Hauling	0.00	20.0	HHDT
4-H	Onsite truck	0.00	0.00	HHDT
4-I	—	—	—	—
4-I	Worker	30.0	11.7	LDA,LDT1,LDT2
4-I	Vendor	1.00	8.40	HHDT,MHDT
4-I	Hauling	3.79	25.0	HHDT
4-I	Onsite truck	0.00	0.00	HHDT
4-J	—	—	—	—
4-J	Worker	30.0	11.7	LDA,LDT1,LDT2
4-J	Vendor	0.00	8.40	HHDT,MHDT
4-J	Hauling	0.00	25.0	HHDT
4-J	Onsite truck	0.00	0.00	HHDT

4-K	—	—	—	—
4-K	Worker	35.0	11.7	LDA,LDT1,LDT2
4-K	Vendor	0.00	8.40	HHDT,MHDT
4-K	Hauling	0.00	20.0	HHDT
4-K	Onsite truck	0.00	0.00	HHDT
4-O	—	—	—	—
4-O	Worker	13.0	11.7	LDA,LDT1,LDT2
4-O	Vendor	0.00	8.40	HHDT,MHDT
4-O	Hauling	0.00	20.0	HHDT
4-O	Onsite truck	0.00	0.00	HHDT
4-N	—	—	—	—
4-N	Worker	50.0	11.7	LDA,LDT1,LDT2
4-N	Vendor	0.00	8.40	HHDT,MHDT
4-N	Hauling	86.0	25.0	HHDT
4-N	Onsite truck	0.00	0.00	HHDT
4-D-1-C	—	—	—	—
4-D-1-C	Worker	80.0	11.7	LDA,LDT1,LDT2
4-D-1-C	Vendor	25.0	20.0	HHDT,MHDT
4-D-1-C	Hauling	0.00	20.0	HHDT
4-D-1-C	Onsite truck	0.00	0.00	HHDT
4-D-2-A	—	—	—	—
4-D-2-A	Worker	50.0	11.7	LDA,LDT1,LDT2
4-D-2-A	Vendor	25.0	8.40	HHDT,MHDT
4-D-2-A	Hauling	0.00	20.0	HHDT
4-D-2-A	Onsite truck	0.00	0.00	HHDT
4-D-2-C	—	—	—	—
4-D-2-C	Worker	80.0	11.7	LDA,LDT1,LDT2
4-D-2-C	Vendor	25.0	20.0	HHDT,MHDT

4-D-2-C	Hauling	0.00	20.0	HHDT
4-D-2-C	Onsite truck	0.00	0.00	HHDT
4-Q	—	—	—	—
4-Q	Worker	0.00	11.7	LDA,LDT1,LDT2
4-Q	Vendor	0.00	8.40	HHDT,MHDT
4-Q	Hauling	22.0	25.0	HHDT
4-Q	Onsite truck	0.00	0.00	HHDT
4-P	—	—	—	—
4-P	Worker	20.0	11.7	LDA,LDT1,LDT2
4-P	Vendor	0.00	8.40	HHDT,MHDT
4-P	Hauling	0.00	20.0	HHDT
4-P	Onsite truck	0.00	0.00	HHDT
4-E-2	—	—	—	—
4-E-2	Worker	50.0	11.7	LDA,LDT1,LDT2
4-E-2	Vendor	0.00	8.40	HHDT,MHDT
4-E-2	Hauling	0.00	20.0	HHDT
4-E-2	Onsite truck	0.00	0.00	HHDT
4-D-1-B	—	—	—	—
4-D-1-B	Worker	20.0	11.7	LDA,LDT1,LDT2
4-D-1-B	Vendor	0.00	8.40	HHDT,MHDT
4-D-1-B	Hauling	0.00	20.0	HHDT
4-D-1-B	Onsite truck	0.00	0.00	HHDT
4-D-2-B	—	—	—	—
4-D-2-B	Worker	20.0	11.7	LDA,LDT1,LDT2
4-D-2-B	Vendor	0.00	8.40	HHDT,MHDT
4-D-2-B	Hauling	0.00	20.0	HHDT
4-D-2-B	Onsite truck	0.00	0.00	HHDT
4-F-1-A	—	—	—	—

4-F-1-A	Worker	40.0	11.7	LDA,LDT1,LDT2
4-F-1-A	Vendor	25.0	8.40	HHDT,MHDT
4-F-1-A	Hauling	0.00	20.0	HHDT
4-F-1-A	Onsite truck	0.00	0.00	HHDT
4-F-1-C	—	—	—	—
4-F-1-C	Worker	80.0	11.7	LDA,LDT1,LDT2
4-F-1-C	Vendor	20.0	8.40	HHDT,MHDT
4-F-1-C	Hauling	0.00	20.0	HHDT
4-F-1-C	Onsite truck	0.00	0.00	HHDT
4-G	—	—	—	—
4-G	Worker	50.0	11.7	LDA,LDT1,LDT2
4-G	Vendor	0.00	8.40	HHDT,MHDT
4-G	Hauling	0.00	20.0	HHDT
4-G	Onsite truck	0.00	—	HHDT
4-F-1-B	—	—	—	—
4-F-1-B	Worker	20.0	11.7	LDA,LDT1,LDT2
4-F-1-B	Vendor	0.00	8.40	HHDT,MHDT
4-F-1-B	Hauling	0.00	20.0	HHDT
4-F-1-B	Onsite truck	0.00	0.00	HHDT
4-M	—	—	—	—
4-M	Worker	7.50	11.7	LDA,LDT1,LDT2
4-M	Vendor	0.00	8.40	HHDT,MHDT
4-M	Hauling	0.00	20.0	HHDT
4-M	Onsite truck	0.00	0.00	HHDT
4-L	—	—	—	—
4-L	Worker	10.0	11.7	LDA,LDT1,LDT2
4-L	Vendor	0.00	8.40	HHDT,MHDT
4-L	Hauling	0.00	20.0	HHDT

4-L	Onsite truck	0.00	0.00	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
4-C	—	—	—	—
4-C	Worker	20.0	11.7	LDA,LDT1,LDT2
4-C	Vendor	0.00	8.40	HHDT,MHDT
4-C	Hauling	50.0	25.0	HHDT
4-C	Onsite truck	0.00	0.00	HHDT
4-A	—	—	—	—
4-A	Worker	30.0	11.7	LDA,LDT1,LDT2
4-A	Vendor	0.00	8.40	HHDT,MHDT
4-A	Hauling	26.0	25.0	HHDT
4-A	Onsite truck	0.00	0.00	HHDT
4-B	—	—	—	—
4-B	Worker	30.0	11.7	LDA,LDT1,LDT2
4-B	Vendor	0.00	8.40	HHDT,MHDT
4-B	Hauling	26.0	25.0	HHDT
4-B	Onsite truck	0.00	0.00	HHDT
4-D-1-A	—	—	—	—
4-D-1-A	Worker	50.0	11.7	LDA,LDT1,LDT2
4-D-1-A	Vendor	25.0	8.40	HHDT,MHDT
4-D-1-A	Hauling	0.00	20.0	HHDT
4-D-1-A	Onsite truck	0.00	0.00	HHDT
4-E-1	—	—	—	—
4-E-1	Worker	50.0	11.7	LDA,LDT1,LDT2
4-E-1	Vendor	0.00	8.40	HHDT,MHDT
4-E-1	Hauling	0.00	20.0	HHDT

4-E-1	Onsite truck	0.00	0.00	HHDT
4-H	—	—	—	—
4-H	Worker	30.0	11.7	LDA,LDT1,LDT2
4-H	Vendor	0.00	8.40	HHDT,MHDT
4-H	Hauling	0.00	20.0	HHDT
4-H	Onsite truck	0.00	0.00	HHDT
4-I	—	—	—	—
4-I	Worker	30.0	11.7	LDA,LDT1,LDT2
4-I	Vendor	1.00	8.40	HHDT,MHDT
4-I	Hauling	3.79	25.0	HHDT
4-I	Onsite truck	0.00	0.00	HHDT
4-J	—	—	—	—
4-J	Worker	30.0	11.7	LDA,LDT1,LDT2
4-J	Vendor	0.00	8.40	HHDT,MHDT
4-J	Hauling	0.00	25.0	HHDT
4-J	Onsite truck	0.00	0.00	HHDT
4-K	—	—	—	—
4-K	Worker	35.0	11.7	LDA,LDT1,LDT2
4-K	Vendor	0.00	8.40	HHDT,MHDT
4-K	Hauling	0.00	20.0	HHDT
4-K	Onsite truck	0.00	0.00	HHDT
4-O	—	—	—	—
4-O	Worker	13.0	11.7	LDA,LDT1,LDT2
4-O	Vendor	0.00	8.40	HHDT,MHDT
4-O	Hauling	0.00	20.0	HHDT
4-O	Onsite truck	0.00	0.00	HHDT
4-N	—	—	—	—
4-N	Worker	50.0	11.7	LDA,LDT1,LDT2

4-N	Vendor	0.00	8.40	HHDT,MHDT
4-N	Hauling	86.0	25.0	HHDT
4-N	Onsite truck	0.00	0.00	HHDT
4-D-1-C	—	—	—	—
4-D-1-C	Worker	80.0	11.7	LDA,LDT1,LDT2
4-D-1-C	Vendor	25.0	20.0	HHDT,MHDT
4-D-1-C	Hauling	0.00	20.0	HHDT
4-D-1-C	Onsite truck	0.00	0.00	HHDT
4-D-2-A	—	—	—	—
4-D-2-A	Worker	50.0	11.7	LDA,LDT1,LDT2
4-D-2-A	Vendor	25.0	8.40	HHDT,MHDT
4-D-2-A	Hauling	0.00	20.0	HHDT
4-D-2-A	Onsite truck	0.00	0.00	HHDT
4-D-2-C	—	—	—	—
4-D-2-C	Worker	80.0	11.7	LDA,LDT1,LDT2
4-D-2-C	Vendor	25.0	20.0	HHDT,MHDT
4-D-2-C	Hauling	0.00	20.0	HHDT
4-D-2-C	Onsite truck	0.00	0.00	HHDT
4-Q	—	—	—	—
4-Q	Worker	0.00	11.7	LDA,LDT1,LDT2
4-Q	Vendor	0.00	8.40	HHDT,MHDT
4-Q	Hauling	22.0	25.0	HHDT
4-Q	Onsite truck	0.00	0.00	HHDT
4-P	—	—	—	—
4-P	Worker	20.0	11.7	LDA,LDT1,LDT2
4-P	Vendor	0.00	8.40	HHDT,MHDT
4-P	Hauling	0.00	20.0	HHDT
4-P	Onsite truck	0.00	0.00	HHDT

4-E-2	—	—	—	—
4-E-2	Worker	50.0	11.7	LDA,LDT1,LDT2
4-E-2	Vendor	0.00	8.40	HHDT,MHDT
4-E-2	Hauling	0.00	20.0	HHDT
4-E-2	Onsite truck	0.00	0.00	HHDT
4-D-1-B	—	—	—	—
4-D-1-B	Worker	20.0	11.7	LDA,LDT1,LDT2
4-D-1-B	Vendor	0.00	8.40	HHDT,MHDT
4-D-1-B	Hauling	0.00	20.0	HHDT
4-D-1-B	Onsite truck	0.00	0.00	HHDT
4-D-2-B	—	—	—	—
4-D-2-B	Worker	20.0	11.7	LDA,LDT1,LDT2
4-D-2-B	Vendor	0.00	8.40	HHDT,MHDT
4-D-2-B	Hauling	0.00	20.0	HHDT
4-D-2-B	Onsite truck	0.00	0.00	HHDT
4-F-1-A	—	—	—	—
4-F-1-A	Worker	40.0	11.7	LDA,LDT1,LDT2
4-F-1-A	Vendor	25.0	8.40	HHDT,MHDT
4-F-1-A	Hauling	0.00	20.0	HHDT
4-F-1-A	Onsite truck	0.00	0.00	HHDT
4-F-1-C	—	—	—	—
4-F-1-C	Worker	80.0	11.7	LDA,LDT1,LDT2
4-F-1-C	Vendor	20.0	8.40	HHDT,MHDT
4-F-1-C	Hauling	0.00	20.0	HHDT
4-F-1-C	Onsite truck	0.00	0.00	HHDT
4-G	—	—	—	—
4-G	Worker	50.0	11.7	LDA,LDT1,LDT2
4-G	Vendor	0.00	8.40	HHDT,MHDT

4-G	Hauling	0.00	20.0	HHDT
4-G	Onsite truck	0.00	—	HHDT
4-F-1-B	—	—	—	—
4-F-1-B	Worker	20.0	11.7	LDA,LDT1,LDT2
4-F-1-B	Vendor	0.00	8.40	HHDT,MHDT
4-F-1-B	Hauling	0.00	20.0	HHDT
4-F-1-B	Onsite truck	0.00	0.00	HHDT
4-M	—	—	—	—
4-M	Worker	7.50	11.7	LDA,LDT1,LDT2
4-M	Vendor	0.00	8.40	HHDT,MHDT
4-M	Hauling	0.00	20.0	HHDT
4-M	Onsite truck	0.00	0.00	HHDT
4-L	—	—	—	—
4-L	Worker	10.0	11.7	LDA,LDT1,LDT2
4-L	Vendor	0.00	8.40	HHDT,MHDT
4-L	Hauling	0.00	20.0	HHDT
4-L	Onsite truck	0.00	0.00	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
4-E-1	0.00	0.00	277,500	92,500	0.00
4-E-2	0.00	0.00	277,500	92,500	0.00
4-O	0.00	0.00	945,000	105,000	0.00

4-G	263,250	87,750	0.00	0.00	0.00

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
4-A	0.00	0.00	4.78	0.00	—
4-B	38,566	0.00	0.00	0.00	—
4-P	0.00	0.00	0.00	0.00	0.00
4-I	6,000	0.00	0.00	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Office Park	0.00	0%
Research & Development	0.00	0%
University/College (4yr)	0.00	0%
General Office Building	0.00	0%
Regional Shopping Center	0.00	0%
Hotel	0.00	0%
Apartments Mid Rise	—	0%
Enclosed Parking with Elevator	0.00	100%
Parking Lot	0.00	100%
Road Construction	0.00	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2036	0.00	1.79	0.00	0.00
2037	500,000	1.79	0.00	0.00
2038	500,000	1.79	0.00	0.00
2039	250,000	1.79	0.00	0.00

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	Project in urban environment
Land Use	Office acres include acres for office, R&D, and academic. Active use acres partially shared with R&D acres. Linear acres includes Girard and utility improvements. No conference, hotel, or surface parking during Phase 4.
Construction: Construction Phases	Data provided by SKS
Construction: Off-Road Equipment	Data provided by SKS.
Construction: Dust From Material Movement	Data provided by SKS.
Construction: Trips and VMT	Data provided by SKS. Defaults used where project-specific data were not available.
Construction: Paving	Data provided by SKS
Construction: On-Road Fugitive Dust	Silt loading modified per BAAQMD CEQA Guidelines.
Construction: Architectural Coatings	Distributed coating square footages to phases based on buildings constructed in each phase.
Construction: Demolition	Data provided by SKS.
Construction: Electricity	Per PG&E's 2023 PCL adjusted to account for RPS. CO2 is CO2e. 2036 consumption included in Phase 3.

A1.1.6 Adjusted Mobile-Source ROG, NO_X, and PM Emission Factors and Calculations

This section provides the construction EMFAC emission factors with CARB's off-model adjustments and the revised ROG, NO_X, and PM mobile-source emissions calculations for construction of the CEQA Proposed Project. Emission factors were developed for each of the CalEEMod construction vehicle fleet mixes (i.e., worker, vendor, and haul). Adjusted ROG, NO_X, and PM mobile-source emissions were estimated by multiplying the adjusted emission factors by the CalEEMod trip and milage inventory for each construction phase. Total annual construction emissions from the CalEEMod outputs were revised, based on the difference in mobile-source emissions between the adjusted (i.e., off-model) and unadjusted (i.e., CalEEMod) results. The revised results were then used to calculate average daily emissions for report presentation.

Year	Source Type	ROG (g/mi)	NOx (g/mi)	PM10E (g/mi)	PM10D (g/mi)	PM10T (g/mi)	PM2.5E (g/mi)	PM2.5D (g/mi)	PM2.5T (g/mi)	ROG (g/trip)	NOx (g/trip)	PM10E (g/trip)	PM10D (g/trip)	PM10T (g/trip)	PM2.5E (g/trip)	PM2.5D (g/trip)	PM2.5T (g/trip)
2026	Worker	0.01	0.07	0.00	1.29	1.29	0.00	0.32	0.33	1.19	0.29	0.00	0	0.00	0.00	0	0.00
2026	Vendor	0.02	1.30	0.02	1.36	1.38	0.02	0.35	0.36	0.20	4.48	0.00	0	0.00	0.00	0	0.00
2026	Hauling	0.02	1.70	0.02	1.39	1.42	0.02	0.36	0.38	0.28	6.46	0.00	0	0.00	0.00	0	0.00
2027	Worker	0.01	0.07	0.00	1.29	1.29	0.00	0.32	0.32	1.14	0.28	0.00	0	0.00	0.00	0	0.00
2027	Vendor	0.02	1.22	0.02	1.36	1.38	0.02	0.35	0.36	0.20	4.43	0.00	0	0.00	0.00	0	0.00
2027	Hauling	0.02	1.63	0.02	1.39	1.42	0.02	0.36	0.38	0.27	6.40	0.00	0	0.00	0.00	0	0.00
2028	Worker	0.01	0.06	0.00	1.29	1.29	0.00	0.32	0.32	1.09	0.27	0.00	0	0.00	0.00	0	0.00
2028	Vendor	0.02	1.15	0.02	1.36	1.38	0.01	0.35	0.36	0.19	4.38	0.00	0	0.00	0.00	0	0.00
2028	Hauling	0.02	1.57	0.02	1.39	1.42	0.02	0.36	0.38	0.27	6.34	0.00	0	0.00	0.00	0	0.00
2029	Worker	0.01	0.05	0.00	1.29	1.29	0.00	0.32	0.32	1.04	0.25	0.00	0	0.00	0.00	0	0.00
2029	Vendor	0.02	1.08	0.02	1.36	1.38	0.01	0.35	0.36	0.19	4.33	0.00	0	0.00	0.00	0	0.00
2029	Hauling	0.01	1.50	0.02	1.39	1.42	0.02	0.36	0.38	0.27	6.28	0.00	0	0.00	0.00	0	0.00
2030	Worker	0.01	0.05	0.00	1.29	1.29	0.00	0.32	0.32	1.00	0.24	0.00	0	0.00	0.00	0	0.00
2030	Vendor	0.01	1.02	0.01	1.36	1.38	0.01	0.35	0.36	0.19	4.28	0.00	0	0.00	0.00	0	0.00
2030	Hauling	0.01	1.45	0.02	1.39	1.42	0.02	0.36	0.38	0.27	6.22	0.00	0	0.00	0.00	0	0.00
2031	Worker	0.01	0.04	0.00	1.29	1.29	0.00	0.32	0.32	0.95	0.23	0.00	0	0.00	0.00	0	0.00
2031	Vendor	0.01	0.96	0.01	1.36	1.37	0.01	0.35	0.36	0.18	4.25	0.00	0	0.00	0.00	0	0.00
2031	Hauling	0.01	1.39	0.02	1.39	1.41	0.02	0.36	0.38	0.27	6.18	0.00	0	0.00	0.00	0	0.00
2032	Worker	0.01	0.04	0.00	1.29	1.29	0.00	0.32	0.32	0.91	0.22	0.00	0	0.00	0.00	0	0.00
2032	Vendor	0.01	0.91	0.01	1.36	1.37	0.01	0.35	0.36	0.18	4.22	0.00	0	0.00	0.00	0	0.00
2032	Hauling	0.01	1.35	0.02	1.39	1.41	0.02	0.36	0.38	0.27	6.15	0.00	0	0.00	0.00	0	0.00
2033	Worker	0.01	0.04	0.00	1.29	1.29	0.00	0.32	0.32	0.88	0.22	0.00	0	0.00	0.00	0	0.00
2033	Vendor	0.01	0.86	0.01	1.36	1.37	0.01	0.35	0.36	0.18	4.20	0.00	0	0.00	0.00	0	0.00
2033	Hauling	0.01	1.30	0.02	1.39	1.41	0.02	0.36	0.38	0.27	6.12	0.00	0	0.00	0.00	0	0.00
2034	Worker	0.01	0.03	0.00	1.29	1.29	0.00	0.32	0.32	0.84	0.21	0.00	0	0.00	0.00	0	0.00
2034	Vendor	0.01	0.82	0.01	1.36	1.37	0.01	0.35	0.36	0.18	4.18	0.00	0	0.00	0.00	0	0.00
2034	Hauling	0.01	1.26	0.02	1.39	1.41	0.02	0.36	0.38	0.27	6.09	0.00	0	0.00	0.00	0	0.00
2035	Worker	0.01	0.03	0.00	1.29	1.29	0.00	0.32	0.32	0.83	0.20	0.00	0	0.00	0.00	0	0.00
2035	Vendor	0.01	0.79	0.01	1.36	1.37	0.01	0.35	0.36	0.18	4.16	0.00	0	0.00	0.00	0	0.00
2035	Hauling	0.01	1.23	0.02	1.39	1.41	0.02	0.36	0.38	0.27	6.07	0.00	0	0.00	0.00	0	0.00
2036	Worker	0.01	0.03	0.00	1.29	1.29	0.00	0.32	0.32	0.81	0.20	0.00	0	0.00	0.00	0	0.00
2036	Vendor	0.01	0.75	0.01	1.36	1.37	0.01	0.35	0.36	0.18	4.15	0.00	0	0.00	0.00	0	0.00
2036	Hauling	0.01	1.20	0.02	1.39	1.41	0.02	0.36	0.38	0.27	6.05	0.00	0	0.00	0.00	0	0.00
2037	Worker	0.00	0.03	0.00	1.29	1.29	0.00	0.32	0.32	0.78	0.19	0.00	0	0.00	0.00	0	0.00
2037	Vendor	0.01	0.73	0.01	1.36	1.37	0.01	0.35	0.36	0.18	4.14	0.00	0	0.00	0.00	0	0.00
2037	Hauling	0.01	1.17	0.02	1.39	1.41	0.02	0.36	0.38	0.27	6.03	0.00	0	0.00	0.00	0	0.00
2038	Worker	0.00	0.03	0.00	1.29	1.29	0.00	0.32	0.32	0.75	0.19	0.00	0	0.00	0.00	0	0.00
2038	Vendor	0.01	0.70	0.01	1.36	1.37	0.01	0.35	0.36	0.18	4.13	0.00	0	0.00	0.00	0	0.00
2038	Hauling	0.01	1.14	0.02	1.39	1.41	0.02	0.36	0.38	0.27	6.02	0.00	0	0.00	0.00	0	0.00
2039	Worker	0.00	0.02	0.00	1.29	1.29	0.00	0.32	0.32	0.72	0.19	0.00	0	0.00	0.00	0	0.00
2039	Vendor	0.01	0.68	0.01	1.36	1.37	0.01	0.35	0.36	0.18	4.12	0.00	0	0.00	0.00	0	0.00
2039	Hauling	0.01	1.12	0.02	1.39	1.41	0.02	0.36	0.38	0.27	6.00	0.00	0	0.00	0.00	0	0.00

Phase Name	Start Date	End Date	Year	Workdays	Source Type	Trips/day	Miles/trip	ROG (ton/yr)	NOx (ton/yr)	PM10E (ton/yr)	PM10D (ton/yr)	PM10T (ton/yr)	PM2.5E (ton/yr)	PM2.5D (ton/yr)	PM2.5T (ton/yr)
1-C	6/1/2026	1/1/2027	2026	154	Worker	20	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
1-C	6/1/2026	1/1/2027	2026	154	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-C	6/1/2026	1/1/2027	2026	154	Hauling	50	25	0.01	0.42	0.01	0.30	0.30	0.01	0.08	0.08
1-C	6/1/2026	1/1/2027	2027	1	Worker	20	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-C	6/1/2026	1/1/2027	2027	1	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-C	6/1/2026	1/1/2027	2027	1	Hauling	50	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-A	6/1/2026	1/1/2027	2026	154	Worker	30	11.7	0.01	0.01	0.00	0.08	0.08	0.00	0.02	0.02
1-A	6/1/2026	1/1/2027	2026	154	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-A	6/1/2026	1/1/2027	2026	154	Hauling	26	25	0.00	0.22	0.00	0.15	0.16	0.00	0.04	0.04
1-A	6/1/2026	1/1/2027	2027	1	Worker	30	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-A	6/1/2026	1/1/2027	2027	1	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-A	6/1/2026	1/1/2027	2027	1	Hauling	26	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-K	5/15/2028	7/1/2028	2028	35	Worker	30	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00
1-K	5/15/2028	7/1/2028	2028	35	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-K	5/15/2028	7/1/2028	2028	35	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-B	9/1/2026	6/1/2027	2026	88	Worker	30	11.7	0.00	0.00	0.00	0.04	0.04	0.00	0.01	0.01
1-B	9/1/2026	6/1/2027	2026	88	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-B	9/1/2026	6/1/2027	2026	88	Hauling	26	25	0.00	0.12	0.00	0.09	0.09	0.00	0.02	0.02
1-B	9/1/2026	6/1/2027	2027	108	Worker	30	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
1-B	9/1/2026	6/1/2027	2027	108	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-B	9/1/2026	6/1/2027	2027	108	Hauling	26	25	0.00	0.15	0.00	0.11	0.11	0.00	0.03	0.03
1-J	5/1/2028	6/1/2028	2028	24	Worker	30	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
1-J	5/1/2028	6/1/2028	2028	24	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-J	5/1/2028	6/1/2028	2028	24	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-D-1-A	1/1/2027	3/31/2027	2027	64	Worker	50	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
1-D-1-A	1/1/2027	3/31/2027	2027	64	Vendor	25	8.4	0.00	0.03	0.00	0.02	0.02	0.00	0.01	0.01
1-D-1-A	1/1/2027	3/31/2027	2027	64	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-D-1-C	4/1/2027	12/30/2029	2027	197	Worker	80	11.7	0.02	0.02	0.00	0.26	0.26	0.00	0.07	0.07
1-D-1-C	4/1/2027	12/30/2029	2027	197	Vendor	25	20	0.00	0.16	0.00	0.15	0.15	0.00	0.04	0.04
1-D-1-C	4/1/2027	12/30/2029	2027	197	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-D-1-C	4/1/2027	12/30/2029	2028	260	Worker	80	11.7	0.03	0.02	0.00	0.35	0.35	0.00	0.09	0.09
1-D-1-C	4/1/2027	12/30/2029	2028	260	Vendor	25	20	0.00	0.20	0.00	0.20	0.20	0.00	0.05	0.05
1-D-1-C	4/1/2027	12/30/2029	2028	260	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-D-1-C	4/1/2027	12/30/2029	2029	260	Worker	80	11.7	0.03	0.02	0.00	0.35	0.35	0.00	0.09	0.09
1-D-1-C	4/1/2027	12/30/2029	2029	260	Vendor	25	20	0.00	0.19	0.00	0.20	0.20	0.00	0.05	0.05
1-D-1-C	4/1/2027	12/30/2029	2029	260	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-D-2-A	6/1/2027	8/31/2027	2027	66	Worker	50	11.7	0.00	0.00	0.00	0.05	0.06	0.00	0.01	0.01
1-D-2-A	6/1/2027	8/31/2027	2027	66	Vendor	25	8.4	0.00	0.03	0.00	0.02	0.02	0.00	0.01	0.01
1-D-2-A	6/1/2027	8/31/2027	2027	66	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-D-2-C	9/1/2027	6/1/2030	2027	88	Worker	80	11.7	0.01	0.01	0.00	0.12	0.12	0.00	0.03	0.03
1-D-2-C	9/1/2027	6/1/2030	2027	88	Vendor	25	20	0.00	0.07	0.00	0.07	0.07	0.00	0.02	0.02
1-D-2-C	9/1/2027	6/1/2030	2027	88	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-D-2-C	9/1/2027	6/1/2030	2028	260	Worker	80	11.7	0.03	0.02	0.00	0.35	0.35	0.00	0.09	0.09
1-D-2-C	9/1/2027	6/1/2030	2028	260	Vendor	25	20	0.00	0.20	0.00	0.20	0.20	0.00	0.05	0.05
1-D-2-C	9/1/2027	6/1/2030	2028	260	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-D-2-C	9/1/2027	6/1/2030	2029	261	Worker	80	11.7	0.03	0.02	0.00	0.35	0.35	0.00	0.09	0.09
1-D-2-C	9/1/2027	6/1/2030	2029	261	Vendor	25	20	0.00	0.19	0.00	0.20	0.20	0.00	0.05	0.05
1-D-2-C	9/1/2027	6/1/2030	2029	261	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-D-2-C	9/1/2027	6/1/2030	2030	109	Worker	80	11.7	0.01	0.01	0.00	0.15	0.15	0.00	0.04	0.04
1-D-2-C	9/1/2027	6/1/2030	2030	109	Vendor	25	20	0.00	0.07	0.00	0.08	0.08	0.00	0.02	0.02
1-D-2-C	9/1/2027	6/1/2030	2030	109	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-M	6/1/2026	12/1/2030	2026	154	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-M	6/1/2026	12/1/2030	2026	154	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-M	6/1/2026	12/1/2030	2026	154	Hauling	22	25	0.00	0.18	0.00	0.13	0.13	0.00	0.03	0.04
1-M	6/1/2026	12/1/2030	2027	261	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-M	6/1/2026	12/1/2030	2027	261	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-M	6/1/2026	12/1/2030	2027	261	Hauling	22	25	0.00	0.30	0.00	0.22	0.22	0.00	0.06	0.06
1-M	6/1/2026	12/1/2030	2028	260	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-M	6/1/2026	12/1/2030	2028	260	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-M	6/1/2026	12/1/2030	2028	260	Hauling	22	25	0.00	0.29	0.00	0.22	0.22	0.00	0.06	0.06
1-M	6/1/2026	12/1/2030	2029	261	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-M	6/1/2026	12/1/2030	2029	261	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-M	6/1/2026	12/1/2030	2029	261	Hauling	22	25	0.00	0.28	0.00	0.22	0.22	0.00	0.06	0.06
1-M	6/1/2026	12/1/2030	2030	239	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-M	6/1/2026	12/1/2030	2030	239	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-M	6/1/2026	12/1/2030	2030	239	Hauling	22	25	0.00	0.25	0.00	0.20	0.21	0.00	0.05	0.05
1-L	6/15/2028	8/1/2028	2028	34	Worker	35	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00
1-L	6/15/2028	8/1/2028	2028	34	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-L	6/15/2028	8/1/2028	2028	34	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-E-1	10/30/2029	6/1/2030	2029	45	Worker	50	11.7	0.00	0.00	0.00	0.04	0.04	0.00	0.01	0.01
1-E-1	10/30/2029	6/1/2030	2029	45	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-E-1	10/30/2029	6/1/2030	2029	45	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-E-1	10/30/2029	6/1/2030	2030	109	Worker	50	11.7	0.01	0.00	0.00	0.09	0.09	0.00	0.02	0.02
1-E-1	10/30/2029	6/1/2030	2030	109	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-E-1	10/30/2029	6/1/2030	2030	109	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-E-2	4/1/2030	12/1/2030	2030	175	Worker	50	11.7	0.01	0.01	0.00	0.15	0.15	0.00	0.04	0.04
1-E-2	4/1/2030	12/1/2030	2030	175	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-E-2	4/1/2030	12/1/2030	2030	175	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-D-1-B	1/1/2027	3/31/2027	2027	64	Worker	20	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.01
1-D-1-B	1/1/2027	3/31/2027	2027	64	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-D-1-B	1/1/2027	3/31/2027	2027	64	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-D-2-B	6/1/2027	8/31/2027	2027	66	Worker	20	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.01
1-D-2-B	6/1/2027	8/31/2027	2027	66	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

1-D-2-B	6/1/2027	8/31/2027	2027	66	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-F	6/1/2026	10/1/2027	2026	154	Worker	30	11.7	0.01	0.01	0.00	0.08	0.08	0.00	0.02	0.02
1-F	6/1/2026	10/1/2027	2026	154	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-F	6/1/2026	10/1/2027	2026	154	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-F	6/1/2026	10/1/2027	2027	196	Worker	30	11.7	0.01	0.01	0.00	0.10	0.10	0.00	0.02	0.02
1-F	6/1/2026	10/1/2027	2027	196	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-F	6/1/2026	10/1/2027	2027	196	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-G	10/1/2027	12/30/2027	2027	65	Worker	30	11.7	0.00	0.00	0.00	0.03	0.03	0.00	0.01	0.01
1-G	10/1/2027	12/30/2027	2027	65	Vendor	1	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-G	10/1/2027	12/30/2027	2027	65	Hauling	7	25	0.00	0.02	0.00	0.02	0.02	0.00	0.00	0.00
1-H	1/1/2027	6/1/2027	2027	108	Worker	30	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
1-H	1/1/2027	6/1/2027	2027	108	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-H	1/1/2027	6/1/2027	2027	108	Hauling	12	25	0.00	0.07	0.00	0.05	0.05	0.00	0.01	0.01
1-I	6/1/2027	1/7/2028	2027	154	Worker	35	11.7	0.01	0.01	0.00	0.09	0.09	0.00	0.02	0.02
1-I	6/1/2027	1/7/2028	2027	154	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-I	6/1/2027	1/7/2028	2027	154	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-I	6/1/2027	1/7/2028	2028	5	Worker	35	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-I	6/1/2027	1/7/2028	2028	5	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-I	6/1/2027	1/7/2028	2028	5	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Name	Start Date	End Date	Year	Workdays	Source Type	Trips/day	Miles/trip	ROG (ton/yr)	NOx (ton/yr)	PM10E (ton/yr)	PM10D (ton/yr)	PM10T (ton/yr)	PM2.5E (ton/yr)	PM2.5D (ton/yr)	PM2.5T (ton/yr)
2-C	6/1/2030	9/1/2030	2030	65	Worker	20	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.01
2-C	6/1/2030	9/1/2030	2030	65	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-C	6/1/2030	9/1/2030	2030	65	Hauling	50	25	0.00	0.15	0.00	0.12	0.13	0.00	0.03	0.03
2-A	6/1/2030	9/1/2030	2030	65	Worker	30	11.7	0.00	0.00	0.00	0.03	0.03	0.00	0.01	0.01
2-A	6/1/2030	9/1/2030	2030	65	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-A	6/1/2030	9/1/2030	2030	65	Hauling	14	25	0.00	0.04	0.00	0.03	0.04	0.00	0.01	0.01
2-O	2/1/2032	6/1/2032	2032	87	Worker	30	11.7	0.00	0.00	0.00	0.04	0.04	0.00	0.01	0.01
2-O	2/1/2032	6/1/2032	2032	87	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-O	2/1/2032	6/1/2032	2032	87	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-B	9/1/2030	6/1/2031	2030	87	Worker	30	11.7	0.00	0.00	0.00	0.04	0.04	0.00	0.01	0.01
2-B	9/1/2030	6/1/2031	2030	87	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-B	9/1/2030	6/1/2031	2030	87	Hauling	14	25	0.00	0.06	0.00	0.05	0.05	0.00	0.01	0.01
2-B	9/1/2030	6/1/2031	2031	108	Worker	30	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
2-B	9/1/2030	6/1/2031	2031	108	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-B	9/1/2030	6/1/2031	2031	108	Hauling	14	25	0.00	0.07	0.00	0.06	0.06	0.00	0.01	0.02
2-N	12/1/2031	2/1/2032	2031	23	Worker	30	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
2-N	12/1/2031	2/1/2032	2031	23	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-N	12/1/2031	2/1/2032	2031	23	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-N	12/1/2031	2/1/2032	2032	22	Worker	30	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
2-N	12/1/2031	2/1/2032	2032	22	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-N	12/1/2031	2/1/2032	2032	22	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-D-1-A	10/1/2030	12/31/2030	2030	66	Worker	50	11.7	0.00	0.00	0.00	0.05	0.06	0.00	0.01	0.01
2-D-1-A	10/1/2030	12/31/2030	2030	66	Vendor	25	8.4	0.00	0.02	0.00	0.02	0.02	0.00	0.01	0.01
2-D-1-A	10/1/2030	12/31/2030	2030	66	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-D-1-C	1/1/2031	2/1/2033	2031	261	Worker	80	11.7	0.02	0.02	0.00	0.35	0.35	0.00	0.09	0.09
2-D-1-C	1/1/2031	2/1/2033	2031	261	Vendor	25	20	0.00	0.17	0.00	0.20	0.20	0.00	0.05	0.05
2-D-1-C	1/1/2031	2/1/2033	2031	261	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-D-1-C	1/1/2031	2/1/2033	2032	262	Worker	80	11.7	0.02	0.02	0.00	0.35	0.35	0.00	0.09	0.09
2-D-1-C	1/1/2031	2/1/2033	2032	262	Vendor	25	20	0.00	0.16	0.00	0.20	0.20	0.00	0.05	0.05
2-D-1-C	1/1/2031	2/1/2033	2032	262	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-D-1-C	1/1/2031	2/1/2033	2033	22	Worker	80	11.7	0.00	0.00	0.00	0.03	0.03	0.00	0.01	0.01
2-D-1-C	1/1/2031	2/1/2033	2033	22	Vendor	25	20	0.00	0.01	0.00	0.02	0.02	0.00	0.00	0.00
2-D-1-C	1/1/2031	2/1/2033	2033	22	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-D-2-A	2/1/2031	4/30/2031	2031	63	Worker	50	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
2-D-2-A	2/1/2031	4/30/2031	2031	63	Vendor	25	8.4	0.00	0.02	0.00	0.02	0.02	0.00	0.01	0.01
2-D-2-A	2/1/2031	4/30/2031	2031	63	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-D-2-C	5/1/2031	6/1/2033	2031	175	Worker	80	11.7	0.02	0.01	0.00	0.23	0.23	0.00	0.06	0.06
2-D-2-C	5/1/2031	6/1/2033	2031	175	Vendor	25	20	0.00	0.11	0.00	0.13	0.13	0.00	0.03	0.03
2-D-2-C	5/1/2031	6/1/2033	2031	175	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-D-2-C	5/1/2031	6/1/2033	2032	262	Worker	80	11.7	0.02	0.02	0.00	0.35	0.35	0.00	0.09	0.09
2-D-2-C	5/1/2031	6/1/2033	2032	262	Vendor	25	20	0.00	0.16	0.00	0.20	0.20	0.00	0.05	0.05
2-D-2-C	5/1/2031	6/1/2033	2032	262	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-D-2-C	5/1/2031	6/1/2033	2033	108	Worker	80	11.7	0.01	0.01	0.00	0.14	0.14	0.00	0.04	0.04
2-D-2-C	5/1/2031	6/1/2033	2033	108	Vendor	25	20	0.00	0.06	0.00	0.08	0.08	0.00	0.02	0.02
2-D-2-C	5/1/2031	6/1/2033	2033	108	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-Q	6/1/2030	12/1/2033	2030	152	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-Q	6/1/2030	12/1/2033	2030	152	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-Q	6/1/2030	12/1/2033	2030	152	Hauling	16	25	0.00	0.11	0.00	0.09	0.09	0.00	0.02	0.03
2-Q	6/1/2030	12/1/2033	2031	261	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-Q	6/1/2030	12/1/2033	2031	261	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-Q	6/1/2030	12/1/2033	2031	261	Hauling	16	25	0.00	0.19	0.00	0.16	0.16	0.00	0.04	0.04
2-Q	6/1/2030	12/1/2033	2032	262	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-Q	6/1/2030	12/1/2033	2032	262	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-Q	6/1/2030	12/1/2033	2032	262	Hauling	16	25	0.00	0.18	0.00	0.16	0.16	0.00	0.04	0.04
2-Q	6/1/2030	12/1/2033	2033	239	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-Q	6/1/2030	12/1/2033	2033	239	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-Q	6/1/2030	12/1/2033	2033	239	Hauling	16	25	0.00	0.16	0.00	0.15	0.15	0.00	0.04	0.04
2-F-1-A	2/1/2031	4/30/2031	2031	63	Worker	50	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
2-F-1-A	2/1/2031	4/30/2031	2031	63	Vendor	25	8.4	0.00	0.02	0.00	0.02	0.02	0.00	0.01	0.01
2-F-1-A	2/1/2031	4/30/2031	2031	63	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-F-1-C	5/1/2031	6/1/2033	2031	175	Worker	80	11.7	0.02	0.01	0.00	0.23	0.23	0.00	0.06	0.06
2-F-1-C	5/1/2031	6/1/2033	2031	175	Vendor	25	20	0.00	0.11	0.00	0.13	0.13	0.00	0.03	0.03
2-F-1-C	5/1/2031	6/1/2033	2031	175	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-F-1-C	5/1/2031	6/1/2033	2032	262	Worker	80	11.7	0.02	0.02	0.00	0.35	0.35	0.00	0.09	0.09
2-F-1-C	5/1/2031	6/1/2033	2032	262	Vendor	25	20	0.00	0.16	0.00	0.20	0.20	0.00	0.05	0.05
2-F-1-C	5/1/2031	6/1/2033	2032	262	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-F-1-C	5/1/2031	6/1/2033	2033	108	Worker	80	11.7	0.01	0.01	0.00	0.14	0.14	0.00	0.04	0.04
2-F-1-C	5/1/2031	6/1/2033	2033	108	Vendor	25	20	0.00	0.06	0.00	0.08	0.08	0.00	0.02	0.02
2-F-1-C	5/1/2031	6/1/2033	2033	108	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-H-1-A	6/1/2031	8/31/2031	2031	65	Worker	20	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.01
2-H-1-A	6/1/2031	8/31/2031	2031	65	Vendor	15	8.4	0.00	0.01	0.00	0.01	0.01	0.00	0.00	0.00
2-H-1-A	6/1/2031	8/31/2031	2031	65	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-H-1-C	9/1/2031	6/1/2033	2031	88	Worker	30	11.7	0.00	0.00	0.00	0.04	0.04	0.00	0.01	0.01
2-H-1-C	9/1/2031	6/1/2033	2031	88	Vendor	15	8.4	0.00	0.02	0.00	0.02	0.02	0.00	0.00	0.00
2-H-1-C	9/1/2031	6/1/2033	2031	88	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-H-1-C	9/1/2031	6/1/2033	2032	262	Worker	30	11.7	0.01	0.01	0.00	0.13	0.13	0.00	0.03	0.03
2-H-1-C	9/1/2031	6/1/2033	2032	262	Vendor	15	8.4	0.00	0.05	0.00	0.05	0.05	0.00	0.01	0.01
2-H-1-C	9/1/2031	6/1/2033	2032	262	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-H-1-C	9/1/2031	6/1/2033	2033	108	Worker	30	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
2-H-1-C	9/1/2031	6/1/2033	2033	108	Vendor	15	8.4	0.00	0.02	0.00	0.02	0.02	0.00	0.01	0.01
2-H-1-C	9/1/2031	6/1/2033	2033	108	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-H-2-A	6/1/2031	8/31/2031	2031	65	Worker	20	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.01
2-H-2-A	6/1/2031	8/31/2031	2031	65	Vendor	15	8.4	0.00	0.01	0.00	0.01	0.01	0.00	0.00	0.00

2-H-2-A	6/1/2031	8/31/2031	2031	65	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-H-2-C	9/1/2031	6/1/2033	2031	88	Worker	30	11.7	0.00	0.00	0.00	0.04	0.04	0.00	0.01	0.01
2-H-2-C	9/1/2031	6/1/2033	2031	88	Vendor	15	8.4	0.00	0.02	0.00	0.02	0.02	0.00	0.00	0.00
2-H-2-C	9/1/2031	6/1/2033	2031	88	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-H-2-C	9/1/2031	6/1/2033	2032	262	Worker	30	11.7	0.01	0.01	0.00	0.13	0.13	0.00	0.03	0.03
2-H-2-C	9/1/2031	6/1/2033	2032	262	Vendor	15	8.4	0.00	0.05	0.00	0.05	0.05	0.00	0.01	0.01
2-H-2-C	9/1/2031	6/1/2033	2032	262	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-H-2-C	9/1/2031	6/1/2033	2033	108	Worker	30	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
2-H-2-C	9/1/2031	6/1/2033	2033	108	Vendor	15	8.4	0.00	0.02	0.00	0.02	0.02	0.00	0.01	0.01
2-H-2-C	9/1/2031	6/1/2033	2033	108	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-P	6/1/2032	10/1/2032	2032	89	Worker	35	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
2-P	6/1/2032	10/1/2032	2032	89	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-P	6/1/2032	10/1/2032	2032	89	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-E-1	12/1/2032	8/1/2033	2032	23	Worker	50	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00
2-E-1	12/1/2032	8/1/2033	2032	23	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-E-1	12/1/2032	8/1/2033	2032	23	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-E-1	12/1/2032	8/1/2033	2033	151	Worker	50	11.7	0.01	0.01	0.00	0.13	0.13	0.00	0.03	0.03
2-E-1	12/1/2032	8/1/2033	2033	151	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-E-1	12/1/2032	8/1/2033	2033	151	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-E-2	4/1/2033	12/1/2033	2033	175	Worker	50	11.7	0.01	0.01	0.00	0.15	0.15	0.00	0.04	0.04
2-E-2	4/1/2033	12/1/2033	2033	175	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-E-2	4/1/2033	12/1/2033	2033	175	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-G	4/1/2033	12/1/2033	2033	175	Worker	50	11.7	0.01	0.01	0.00	0.15	0.15	0.00	0.04	0.04
2-G	4/1/2033	12/1/2033	2033	175	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-G	4/1/2033	12/1/2033	2033	175	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-I	2/1/2033	6/1/2033	2033	87	Worker	50	11.7	0.00	0.00	0.00	0.07	0.07	0.00	0.02	0.02
2-I	2/1/2033	6/1/2033	2033	87	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-I	2/1/2033	6/1/2033	2033	87	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-D-1-B	10/1/2030	12/31/2030	2030	66	Worker	20	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.01
2-D-1-B	10/1/2030	12/31/2030	2030	66	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-D-1-B	10/1/2030	12/31/2030	2030	66	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-D-2-B	2/1/2031	4/30/2031	2031	63	Worker	20	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.01
2-D-2-B	2/1/2031	4/30/2031	2031	63	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-D-2-B	2/1/2031	4/30/2031	2031	63	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-F-1-B	2/1/2031	4/30/2031	2031	63	Worker	20	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.01
2-F-1-B	2/1/2031	4/30/2031	2031	63	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-F-1-B	2/1/2031	4/30/2031	2031	63	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-H-1-B	6/1/2031	8/31/2031	2031	65	Worker	10	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
2-H-1-B	6/1/2031	8/31/2031	2031	65	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-H-1-B	6/1/2031	8/31/2031	2031	65	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-H-2-B	6/1/2031	8/31/2031	2031	65	Worker	10	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
2-H-2-B	6/1/2031	8/31/2031	2031	65	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-H-2-B	6/1/2031	8/31/2031	2031	65	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-J	6/1/2030	9/1/2030	2030	65	Worker	30	11.7	0.00	0.00	0.00	0.03	0.03	0.00	0.01	0.01
2-J	6/1/2030	9/1/2030	2030	65	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-J	6/1/2030	9/1/2030	2030	65	Hauling	17.09230769	25	0.00	0.05	0.00	0.04	0.04	0.00	0.01	0.01
2-K	8/1/2030	2/1/2031	2030	109	Worker	30	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
2-K	8/1/2030	2/1/2031	2030	109	Vendor	1	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-K	8/1/2030	2/1/2031	2030	109	Hauling	3.386363636	25	0.00	0.02	0.00	0.01	0.01	0.00	0.00	0.00
2-K	8/1/2030	2/1/2031	2031	23	Worker	30	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
2-K	8/1/2030	2/1/2031	2031	23	Vendor	1	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-K	8/1/2030	2/1/2031	2031	23	Hauling	3.386363636	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-L	2/1/2031	8/1/2031	2031	130	Worker	30	11.7	0.00	0.00	0.00	0.06	0.07	0.00	0.02	0.02
2-L	2/1/2031	8/1/2031	2031	130	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-L	2/1/2031	8/1/2031	2031	130	Hauling	9.830769231	25	0.00	0.06	0.00	0.05	0.05	0.00	0.01	0.01
2-M	8/1/2031	12/1/2031	2031	87	Worker	35	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
2-M	8/1/2031	12/1/2031	2031	87	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-M	8/1/2031	12/1/2031	2031	87	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Name	Start Date	End Date	Year	Workdays	Source Type	Trips/day	Miles/trip	ROG (ton/yr)	NOx (ton/yr)	PM10E (ton/yr)	PM10D (ton/yr)	PM10T (ton/yr)	PM2.5E (ton/yr)	PM2.5D (ton/yr)	PM2.5T (ton/yr)
3-C	6/1/2033	9/1/2033	2033	67	Worker	20	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.01
3-C	6/1/2033	9/1/2033	2033	67	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-C	6/1/2033	9/1/2033	2033	67	Hauling	50	25	0.00	0.14	0.00	0.13	0.13	0.00	0.03	0.03
3-A	6/1/2033	9/1/2033	2033	67	Worker	30	11.7	0.00	0.00	0.00	0.03	0.03	0.00	0.01	0.01
3-A	6/1/2033	9/1/2033	2033	67	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-A	6/1/2033	9/1/2033	2033	67	Hauling	18	25	0.00	0.05	0.00	0.05	0.05	0.00	0.01	0.01
3-P	2/1/2035	6/1/2035	2035	87	Worker	30	11.7	0.00	0.00	0.00	0.04	0.04	0.00	0.01	0.01
3-P	2/1/2035	6/1/2035	2035	87	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-P	2/1/2035	6/1/2035	2035	87	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-K	9/1/2033	12/1/2033	2033	66	Worker	7.5	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
3-K	9/1/2033	12/1/2033	2033	66	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-K	9/1/2033	12/1/2033	2033	66	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-B	9/1/2033	6/1/2034	2033	87	Worker	30	11.7	0.00	0.00	0.00	0.04	0.04	0.00	0.01	0.01
3-B	9/1/2033	6/1/2034	2033	87	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-B	9/1/2033	6/1/2034	2033	87	Hauling	18	25	0.00	0.07	0.00	0.06	0.06	0.00	0.02	0.02
3-B	9/1/2033	6/1/2034	2034	109	Worker	30	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
3-B	9/1/2033	6/1/2034	2034	109	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-B	9/1/2033	6/1/2034	2034	109	Hauling	18	25	0.00	0.08	0.00	0.08	0.08	0.00	0.02	0.02
3-O	12/1/2034	2/1/2035	2034	21	Worker	30	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
3-O	12/1/2034	2/1/2035	2034	21	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-O	12/1/2034	2/1/2035	2034	21	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-O	12/1/2034	2/1/2035	2035	24	Worker	30	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
3-O	12/1/2034	2/1/2035	2035	24	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-O	12/1/2034	2/1/2035	2035	24	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-J	7/1/2033	9/1/2033	2033	45	Worker	10	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
3-J	7/1/2033	9/1/2033	2033	45	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-J	7/1/2033	9/1/2033	2033	45	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-D-1-A	10/1/2033	12/31/2033	2033	65	Worker	50	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
3-D-1-A	10/1/2033	12/31/2033	2033	65	Vendor	25	8.4	0.00	0.02	0.00	0.02	0.02	0.00	0.01	0.01
3-D-1-A	10/1/2033	12/31/2033	2033	65	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-D-1-C	1/1/2034	2/2/2036	2034	260	Worker	80	11.7	0.02	0.01	0.00	0.35	0.35	0.00	0.09	0.09
3-D-1-C	1/1/2034	2/2/2036	2034	260	Vendor	25	20	0.00	0.15	0.00	0.19	0.20	0.00	0.05	0.05
3-D-1-C	1/1/2034	2/2/2036	2034	260	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-D-1-C	1/1/2034	2/2/2036	2035	261	Worker	80	11.7	0.02	0.01	0.00	0.35	0.35	0.00	0.09	0.09
3-D-1-C	1/1/2034	2/2/2036	2035	261	Vendor	25	20	0.00	0.14	0.00	0.20	0.20	0.00	0.05	0.05
3-D-1-C	1/1/2034	2/2/2036	2035	261	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-D-1-C	1/1/2034	2/2/2036	2036	24	Worker	80	11.7	0.00	0.00	0.00	0.03	0.03	0.00	0.01	0.01
3-D-1-C	1/1/2034	2/2/2036	2036	24	Vendor	25	20	0.00	0.01	0.00	0.02	0.02	0.00	0.00	0.00
3-D-1-C	1/1/2034	2/2/2036	2036	24	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-D-2-A	2/1/2034	4/30/2034	2034	63	Worker	50	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
3-D-2-A	2/1/2034	4/30/2034	2034	63	Vendor	25	8.4	0.00	0.02	0.00	0.02	0.02	0.00	0.01	0.01
3-D-2-A	2/1/2034	4/30/2034	2034	63	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-D-2-C	5/1/2034	6/1/2036	2034	175	Worker	80	11.7	0.01	0.01	0.00	0.23	0.23	0.00	0.06	0.06
3-D-2-C	5/1/2034	6/1/2036	2034	175	Vendor	25	20	0.00	0.10	0.00	0.13	0.13	0.00	0.03	0.03
3-D-2-C	5/1/2034	6/1/2036	2034	175	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-D-2-C	5/1/2034	6/1/2036	2035	261	Worker	80	11.7	0.02	0.01	0.00	0.35	0.35	0.00	0.09	0.09
3-D-2-C	5/1/2034	6/1/2036	2035	261	Vendor	25	20	0.00	0.14	0.00	0.20	0.20	0.00	0.05	0.05
3-D-2-C	5/1/2034	6/1/2036	2035	261	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-D-2-C	5/1/2034	6/1/2036	2036	109	Worker	80	11.7	0.01	0.01	0.00	0.15	0.15	0.00	0.04	0.04
3-D-2-C	5/1/2034	6/1/2036	2036	109	Vendor	25	20	0.00	0.06	0.00	0.08	0.08	0.00	0.02	0.02
3-D-2-C	5/1/2034	6/1/2036	2036	109	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-R	6/1/2033	12/1/2036	2033	153	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-R	6/1/2033	12/1/2036	2033	153	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-R	6/1/2033	12/1/2036	2033	153	Hauling	14	25	0.00	0.09	0.00	0.08	0.08	0.00	0.02	0.02
3-R	6/1/2033	12/1/2036	2034	260	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-R	6/1/2033	12/1/2036	2034	260	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-R	6/1/2033	12/1/2036	2034	260	Hauling	14	25	0.00	0.15	0.00	0.14	0.14	0.00	0.04	0.04
3-R	6/1/2033	12/1/2036	2035	261	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-R	6/1/2033	12/1/2036	2035	261	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-R	6/1/2033	12/1/2036	2035	261	Hauling	14	25	0.00	0.15	0.00	0.14	0.14	0.00	0.04	0.04
3-R	6/1/2033	12/1/2036	2036	240	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-R	6/1/2033	12/1/2036	2036	240	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-R	6/1/2033	12/1/2036	2036	240	Hauling	14	25	0.00	0.13	0.00	0.13	0.13	0.00	0.03	0.03
3-L	12/1/2033	6/1/2035	2033	22	Worker	50	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00
3-L	12/1/2033	6/1/2035	2033	22	Vendor	20	8.4	0.00	0.01	0.00	0.01	0.01	0.00	0.00	0.00
3-L	12/1/2033	6/1/2035	2033	22	Hauling	91	25	0.00	0.09	0.00	0.08	0.08	0.00	0.02	0.02
3-L	12/1/2033	6/1/2035	2034	260	Worker	50	11.7	0.01	0.01	0.00	0.22	0.22	0.00	0.05	0.05
3-L	12/1/2033	6/1/2035	2034	260	Vendor	20	8.4	0.00	0.06	0.00	0.07	0.07	0.00	0.02	0.02
3-L	12/1/2033	6/1/2035	2034	260	Hauling	91	25	0.01	0.98	0.01	0.91	0.92	0.01	0.23	0.25
3-L	12/1/2033	6/1/2035	2035	110	Worker	50	11.7	0.01	0.00	0.00	0.09	0.09	0.00	0.02	0.02
3-L	12/1/2033	6/1/2035	2035	110	Vendor	20	8.4	0.00	0.03	0.00	0.03	0.03	0.00	0.01	0.01
3-L	12/1/2033	6/1/2035	2035	110	Hauling	91	25	0.01	0.41	0.01	0.38	0.39	0.01	0.10	0.10
3-N	2/1/2035	6/1/2035	2035	87	Worker	47	11.7	0.00	0.00	0.00	0.07	0.07	0.00	0.02	0.02
3-N	2/1/2035	6/1/2035	2035	87	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-N	2/1/2035	6/1/2035	2035	87	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Q	6/1/2035	10/1/2035	2035	87	Worker	35	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
3-Q	6/1/2035	10/1/2035	2035	87	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Q	6/1/2035	10/1/2035	2035	87	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-E-1	12/1/2035	8/1/2036	2035	21	Worker	50	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00
3-E-1	12/1/2035	8/1/2036	2035	21	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-E-1	12/1/2035	8/1/2036	2035	21	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-E-1	12/1/2035	8/1/2036	2036	154	Worker	50	11.7	0.01	0.00	0.00	0.13	0.13	0.00	0.03	0.03

3-E-1	12/1/2035	8/1/2036	2036	154	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-E-1	12/1/2035	8/1/2036	2036	154	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-E-2	4/1/2036	12/1/2036	2036	175	Worker	50	11.7	0.01	0.01	0.00	0.15	0.15	0.00	0.04	0.04
3-E-2	4/1/2036	12/1/2036	2036	175	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-E-2	4/1/2036	12/1/2036	2036	175	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-M	2/1/2035	6/1/2035	2035	87	Worker	13	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00
3-M	2/1/2035	6/1/2035	2035	87	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-M	2/1/2035	6/1/2035	2035	87	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-D-1-B	10/1/2033	12/31/2033	2033	65	Worker	20	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.01
3-D-1-B	10/1/2033	12/31/2033	2033	65	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-D-1-B	10/1/2033	12/31/2033	2033	65	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-D-2-B	2/1/2034	4/30/2034	2034	63	Worker	20	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.01
3-D-2-B	2/1/2034	4/30/2034	2034	63	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-D-2-B	2/1/2034	4/30/2034	2034	63	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-F	3/1/2034	6/1/2034	2034	67	Worker	30	11.7	0.00	0.00	0.00	0.03	0.03	0.00	0.01	0.01
3-F	3/1/2034	6/1/2034	2034	67	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-F	3/1/2034	6/1/2034	2034	67	Hauling	17	25	0.00	0.05	0.00	0.04	0.04	0.00	0.01	0.01
3-G	6/1/2034	12/1/2034	2034	132	Worker	30	11.7	0.00	0.00	0.00	0.07	0.07	0.00	0.02	0.02
3-G	6/1/2034	12/1/2034	2034	132	Vendor	1	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-G	6/1/2034	12/1/2034	2034	132	Hauling	3	25	0.00	0.02	0.00	0.02	0.02	0.00	0.00	0.00
3-H	12/1/2034	6/1/2035	2034	21	Worker	30	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
3-H	12/1/2034	6/1/2035	2034	21	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-H	12/1/2034	6/1/2035	2034	21	Hauling	10	25	0.00	0.01	0.00	0.01	0.01	0.00	0.00	0.00
3-H	12/1/2034	6/1/2035	2035	110	Worker	30	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
3-H	12/1/2034	6/1/2035	2035	110	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-H	12/1/2034	6/1/2035	2035	110	Hauling	10	25	0.00	0.04	0.00	0.04	0.04	0.00	0.01	0.01
3-I	6/1/2035	10/1/2035	2035	87	Worker	35	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
3-I	6/1/2035	10/1/2035	2035	87	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-I	6/1/2035	10/1/2035	2035	87	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Name	Start Date	End Date	Year	Workdays	Source Type	Trips/day	Miles/trip	ROG (ton/yr)	NOx (ton/yr)	PM10E (ton/yr)	PM10D (ton/yr)	PM10T (ton/yr)	PM2.5E (ton/yr)	PM2.5D (ton/yr)	PM2.5T (ton/yr)
4-C	6/1/2036	9/1/2036	2036	66	Worker	20	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.01
4-C	6/1/2036	9/1/2036	2036	66	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-C	6/1/2036	9/1/2036	2036	66	Hauling	50	25	0.00	0.13	0.00	0.13	0.13	0.00	0.03	0.03
4-A	6/1/2036	9/1/2036	2036	66	Worker	30	11.7	0.00	0.00	0.00	0.03	0.03	0.00	0.01	0.01
4-A	6/1/2036	9/1/2036	2036	66	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-A	6/1/2036	9/1/2036	2036	66	Hauling	26	25	0.00	0.07	0.00	0.07	0.07	0.00	0.02	0.02
4-M	9/1/2036	12/1/2036	2036	66	Worker	7.5	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
4-M	9/1/2036	12/1/2036	2036	66	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-M	9/1/2036	12/1/2036	2036	66	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-B	9/1/2036	6/1/2037	2036	88	Worker	30	11.7	0.00	0.00	0.00	0.04	0.04	0.00	0.01	0.01
4-B	9/1/2036	6/1/2037	2036	88	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-B	9/1/2036	6/1/2037	2036	88	Hauling	26	25	0.00	0.09	0.00	0.09	0.09	0.00	0.02	0.02
4-B	9/1/2036	6/1/2037	2037	108	Worker	30	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
4-B	9/1/2036	6/1/2037	2037	108	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-B	9/1/2036	6/1/2037	2037	108	Hauling	26	25	0.00	0.11	0.00	0.11	0.11	0.00	0.03	0.03
4-L	7/1/2036	9/1/2036	2036	45	Worker	10	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
4-L	7/1/2036	9/1/2036	2036	45	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-L	7/1/2036	9/1/2036	2036	45	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-N	12/1/2036	6/1/2038	2036	23	Worker	50	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00
4-N	12/1/2036	6/1/2038	2036	23	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-N	12/1/2036	6/1/2038	2036	23	Hauling	86	25	0.00	0.08	0.00	0.08	0.08	0.00	0.02	0.02
4-N	12/1/2036	6/1/2038	2037	261	Worker	50	11.7	0.01	0.01	0.00	0.22	0.22	0.00	0.05	0.05
4-N	12/1/2036	6/1/2038	2037	261	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-N	12/1/2036	6/1/2038	2037	261	Hauling	86	25	0.01	0.87	0.01	0.86	0.87	0.01	0.22	0.23
4-N	12/1/2036	6/1/2038	2038	108	Worker	50	11.7	0.00	0.00	0.00	0.09	0.09	0.00	0.02	0.02
4-N	12/1/2036	6/1/2038	2038	108	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-N	12/1/2036	6/1/2038	2038	108	Hauling	86	25	0.01	0.35	0.01	0.36	0.36	0.01	0.09	0.10
4-D-1-A	10/1/2036	12/31/2036	2036	66	Worker	50	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
4-D-1-A	10/1/2036	12/31/2036	2036	66	Vendor	25	8.4	0.00	0.02	0.00	0.02	0.02	0.00	0.01	0.01
4-D-1-A	10/1/2036	12/31/2036	2036	66	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-D-1-C	1/1/2037	2/1/2039	2037	261	Worker	80	11.7	0.02	0.01	0.00	0.35	0.35	0.00	0.09	0.09
4-D-1-C	1/1/2037	2/1/2039	2037	261	Vendor	25	20	0.00	0.13	0.00	0.20	0.20	0.00	0.05	0.05
4-D-1-C	1/1/2037	2/1/2039	2037	261	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-D-1-C	1/1/2037	2/1/2039	2038	261	Worker	80	11.7	0.02	0.01	0.00	0.35	0.35	0.00	0.09	0.09
4-D-1-C	1/1/2037	2/1/2039	2038	261	Vendor	25	20	0.00	0.13	0.00	0.20	0.20	0.00	0.05	0.05
4-D-1-C	1/1/2037	2/1/2039	2038	261	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-D-1-C	1/1/2037	2/1/2039	2039	22	Worker	80	11.7	0.00	0.00	0.00	0.03	0.03	0.00	0.01	0.01
4-D-1-C	1/1/2037	2/1/2039	2039	22	Vendor	25	20	0.00	0.01	0.00	0.02	0.02	0.00	0.00	0.00
4-D-1-C	1/1/2037	2/1/2039	2039	22	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-D-2-A	2/1/2037	4/30/2037	2037	64	Worker	50	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
4-D-2-A	2/1/2037	4/30/2037	2037	64	Vendor	25	8.4	0.00	0.02	0.00	0.02	0.02	0.00	0.01	0.01
4-D-2-A	2/1/2037	4/30/2037	2037	64	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-D-2-C	5/1/2037	6/1/2039	2037	175	Worker	80	11.7	0.01	0.01	0.00	0.23	0.23	0.00	0.06	0.06
4-D-2-C	5/1/2037	6/1/2039	2037	175	Vendor	25	20	0.00	0.09	0.00	0.13	0.13	0.00	0.03	0.03
4-D-2-C	5/1/2037	6/1/2039	2037	175	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-D-2-C	5/1/2037	6/1/2039	2038	261	Worker	80	11.7	0.02	0.01	0.00	0.35	0.35	0.00	0.09	0.09
4-D-2-C	5/1/2037	6/1/2039	2038	261	Vendor	25	20	0.00	0.13	0.00	0.20	0.20	0.00	0.05	0.05
4-D-2-C	5/1/2037	6/1/2039	2038	261	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-D-2-C	5/1/2037	6/1/2039	2039	108	Worker	80	11.7	0.01	0.00	0.00	0.14	0.14	0.00	0.04	0.04
4-D-2-C	5/1/2037	6/1/2039	2039	108	Vendor	25	20	0.00	0.05	0.00	0.08	0.08	0.00	0.02	0.02
4-D-2-C	5/1/2037	6/1/2039	2039	108	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-Q	3/1/2036	12/1/2039	2036	218	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-Q	3/1/2036	12/1/2039	2036	218	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-Q	3/1/2036	12/1/2039	2036	218	Hauling	22	25	0.00	0.19	0.00	0.18	0.19	0.00	0.05	0.05
4-Q	3/1/2036	12/1/2039	2037	261	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-Q	3/1/2036	12/1/2039	2037	261	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-Q	3/1/2036	12/1/2039	2037	261	Hauling	22	25	0.00	0.22	0.00	0.22	0.22	0.00	0.06	0.06
4-Q	3/1/2036	12/1/2039	2038	261	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-Q	3/1/2036	12/1/2039	2038	261	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-Q	3/1/2036	12/1/2039	2038	261	Hauling	22	25	0.00	0.22	0.00	0.22	0.22	0.00	0.06	0.06
4-Q	3/1/2036	12/1/2039	2039	239	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-Q	3/1/2036	12/1/2039	2039	239	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-Q	3/1/2036	12/1/2039	2039	239	Hauling	22	25	0.00	0.20	0.00	0.20	0.20	0.00	0.05	0.05
4-F-1-A	2/1/2037	4/30/2037	2037	64	Worker	40	11.7	0.00	0.00	0.00	0.04	0.04	0.00	0.01	0.01
4-F-1-A	2/1/2037	4/30/2037	2037	64	Vendor	25	8.4	0.00	0.02	0.00	0.02	0.02	0.00	0.01	0.01
4-F-1-A	2/1/2037	4/30/2037	2037	64	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-F-1-C	5/1/2037	6/1/2039	2037	175	Worker	80	11.7	0.01	0.01	0.00	0.23	0.23	0.00	0.06	0.06
4-F-1-C	5/1/2037	6/1/2039	2037	175	Vendor	20	8.4	0.00	0.04	0.00	0.04	0.04	0.00	0.01	0.01
4-F-1-C	5/1/2037	6/1/2039	2037	175	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-F-1-C	5/1/2037	6/1/2039	2038	261	Worker	80	11.7	0.02	0.01	0.00	0.35	0.35	0.00	0.09	0.09
4-F-1-C	5/1/2037	6/1/2039	2038	261	Vendor	20	8.4	0.00	0.06	0.00	0.07	0.07	0.00	0.02	0.02
4-F-1-C	5/1/2037	6/1/2039	2038	261	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-F-1-C	5/1/2037	6/1/2039	2039	108	Worker	80	11.7	0.01	0.00	0.00	0.14	0.14	0.00	0.04	0.04
4-F-1-C	5/1/2037	6/1/2039	2039	108	Vendor	20	8.4	0.00	0.02	0.00	0.03	0.03	0.00	0.01	0.01
4-F-1-C	5/1/2037	6/1/2039	2039	108	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-P	2/1/2038	6/1/2038	2038	87	Worker	20	11.7	0.00	0.00	0.00	0.03	0.03	0.00	0.01	0.01
4-P	2/1/2038	6/1/2038	2038	87	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-P	2/1/2038	6/1/2038	2038	87	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-O	2/1/2038	6/1/2038	2038	87	Worker	13	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00
4-O	2/1/2038	6/1/2038	2038	87	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-O	2/1/2038	6/1/2038	2038	87	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-E-1	12/1/2038	8/1/2039	2038	23	Worker	50	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00

4-E-1	12/1/2038	8/1/2039	2038	23	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-E-1	12/1/2038	8/1/2039	2038	23	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-E-1	12/1/2038	8/1/2039	2039	151	Worker	50	11.7	0.01	0.00	0.00	0.13	0.13	0.00	0.03	0.03
4-E-1	12/1/2038	8/1/2039	2039	151	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-E-1	12/1/2038	8/1/2039	2039	151	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-E-2	4/1/2039	12/1/2039	2039	175	Worker	50	11.7	0.01	0.00	0.00	0.15	0.15	0.00	0.04	0.04
4-E-2	4/1/2039	12/1/2039	2039	175	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-E-2	4/1/2039	12/1/2039	2039	175	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-G	10/1/2038	6/1/2039	2038	66	Worker	50	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
4-G	10/1/2038	6/1/2039	2038	66	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-G	10/1/2038	6/1/2039	2038	66	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-G	10/1/2038	6/1/2039	2039	108	Worker	50	11.7	0.00	0.00	0.00	0.09	0.09	0.00	0.02	0.02
4-G	10/1/2038	6/1/2039	2039	108	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-G	10/1/2038	6/1/2039	2039	108	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-D-1-B	10/1/2036	12/31/2036	2036	66	Worker	20	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.01
4-D-1-B	10/1/2036	12/31/2036	2036	66	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-D-1-B	10/1/2036	12/31/2036	2036	66	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-D-2-B	2/1/2037	4/30/2037	2037	64	Worker	20	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.01
4-D-2-B	2/1/2037	4/30/2037	2037	64	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-D-2-B	2/1/2037	4/30/2037	2037	64	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-F-1-B	2/1/2037	4/30/2037	2037	64	Worker	20	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.01
4-F-1-B	2/1/2037	4/30/2037	2037	64	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-F-1-B	2/1/2037	4/30/2037	2037	64	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-H	3/1/2037	6/1/2037	2037	66	Worker	30	11.7	0.00	0.00	0.00	0.03	0.03	0.00	0.01	0.01
4-H	3/1/2037	6/1/2037	2037	66	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-H	3/1/2037	6/1/2037	2037	66	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-I	6/1/2037	12/1/2037	2037	132	Worker	30	11.7	0.00	0.00	0.00	0.07	0.07	0.00	0.02	0.02
4-I	6/1/2037	12/1/2037	2037	132	Vendor	1	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-I	6/1/2037	12/1/2037	2037	132	Hauling	4	25	0.00	0.02	0.00	0.02	0.02	0.00	0.00	0.01
4-J	12/1/2037	6/1/2038	2037	23	Worker	30	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
4-J	12/1/2037	6/1/2038	2037	23	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-J	12/1/2037	6/1/2038	2037	23	Hauling	0	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-J	12/1/2037	6/1/2038	2038	108	Worker	30	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
4-J	12/1/2037	6/1/2038	2038	108	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-J	12/1/2037	6/1/2038	2038	108	Hauling	0	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-K	6/1/2038	10/1/2038	2038	89	Worker	35	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
4-K	6/1/2038	10/1/2038	2038	89	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-K	6/1/2038	10/1/2038	2038	89	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

A1.1.7 Electricity Emission Factor Calculations

Table A-2 summarizes annual electricity emission factors for Pacific Gas & Electric (PG&E). The emission factors were based on PG&E's 2023 power content label and future compliance obligations under the Renewables Portfolio Standard (RPS). These factors were input into CalEEMod to calculate electricity emissions. Because RPS goals must be attained by December 31 of each year, the CalEEMod modeling applies the prior year's emission factor to calculate emissions generated in each year. For example, 2030 emissions are calculated using the 2029 emission factor.

Table A-2. Electricity Emission Factors

								2023 (base year)[a]						
Utility								lb. CO_2e/MWh			RPS Load		Non-RPS lb. CO_2e/MWh	
Pacific Gas & Electric								12			33%		18	
Future-Year Forecast Emission Factor (lb. CO_2e/MWh)[b]														
2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
9.1	8.6	8.1	7.6	7.1	7.1	7.1	7.1	7.1	1.8	1.8	1.8	1.8	1.8	0.9

Sources; California Energy Commission. n.d. *2023 Power Content Label.* Available: https://www.energy.ca.gov/filebrowser/download/7281. Accessed: April 22, 2024.

Ernest Orlando Lawrence Berkeley National Laboratory (LBNL). 2024. *RPS and CES Percentage Targets XLXS.* Available: https://emp.lbl.gov/publications/us-state-renewables-portfolio-clean-0Accessed: January 30, 2025.

Notes:

CO_2e = carbon dioxide equivalent; MWh = megawatt-hour; RPS = Renewable Portfolio Standard; lb. = pounds.

a. Base year (2023) emission factor and eligible RPS load from PG&E's *2023 Power Content Label.*

b. Future-year emission factors were forecast according to the following method:

1) The percent of qualifying RPS load for the 2023 base year was obtained from CEC. The percent of load supplied by non-RPS qualifying sources was calculated as the difference from 100 percent.
2) The 2023 base-year emission factor was divided by the percent of non-RPS qualifying sources to calculate an average emission factor for non-RPS qualifying power generation.
3) The estimated percent of qualifying RPS load in future years was obtained from the LBNL. SB 100 requires targets be obtained by December 31 of each year.
4) The percent of load supplied by non-RPS qualifying sources in future years was calculated as the difference from 100 percent and then multiplied by the calculated average emission factor for non-RPS qualifying power generation.

The forecasting approach holds the non-RPS qualifying power mix constant at 2023 levels. It does not account for utility-specific targets or generation plans. PG&E has a net-zero energy system goal for 2040 and a climate- and nature-positive energy system goal by 2050. Thus, utility emission factors are expected to be lower than presented in this table.

A.1.2 Operations

A1.2.1 Phase 1 Operations CalEEMod Output

The CalEEMod output presents model inputs and outputs for operation of land uses constructed under the CEQA Proposed Project, Phase 1. All structures were assumed to be fully occupied the first year following completion of construction (i.e., 2031 for Phase 1). These emissions would also occur under the CEQA Proposed Project with either utility option or the CEQA Proposed Project with the Variant.

Note that the mitigated condition does not account for Mitigation Measure TRAN-1. Based on modeling from Fehr & Peers, the measure would achieve a 7.5 percent reduction in trips and VMT (Tan pers. comm. [A]). Accordingly, mobile-source emissions from CalEEMod were manually reduced by 7.5 percent to account for implementation of Mitigation Measure TRAN-1.

Neither total operation nor mobile-source emissions results in the CalEEMod output are adjusted to reflect the June 12, 2025, congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has developed off-model adjustment factors for NO_X, ROG, PM_{10}, and $PM_{2.5}$ that remove the estimated emissions benefits attributed to regulations. Emissions of these pollutants were separately quantified using the project-specific traffic data and emission factors from EMFAC2021 with the off-model adjustments per CARB's guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for mobile sources and the total operational emissions recalculated. Refer to Section A1.2.9 for the off-model calculations.

Moffett Alt 1 Operation Phase 1 Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Moffett Alt 1 Operation Phase 1
Operational Year	2031
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	28.2
Location	37.40646021370499, -122.05214834788202
County	Santa Clara
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1702
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	110	1000sqft	4.20	110,000	0.00	0.00	—	—
Research & Development	445	1000sqft	0.00	445,000	0.00	0.00	—	—

University/College (4yr)	58.0	Student	0.00	85,000	0.00	0.00	—	—
General Office Building	0.00	1000sqft	0.00	0.00	0.00	0.00	—	—
Regional Shopping Center	15.0	1000sqft	0.00	15,000	0.00	0.00	—	—
Hotel	0.00	Room	0.00	0.00	0.00	0.00	—	—
Apartments Mid Rise	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	—
Enclosed Parking with Elevator	0.00	1000sqft	0.00	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Area Sources	AS-1	Use Low-VOC Cleaning Supplies
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment
Area Sources	AS-2	Use Low-VOC Paints

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	38.0	36.5	14.3	173	0.37	0.41	33.3	33.7	0.39	8.45	8.84	1,272	38,150	39,422	129	1.32	374	43,404
Mit.	30.9	29.7	14.1	145	0.37	0.36	33.3	33.7	0.35	8.45	8.80	1,272	38,033	39,305	129	1.32	374	43,287
% Reduced	19%	19%	2%	16%	< 0.5%	12%	—	< 0.5%	10%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	32.4	31.2	15.7	136	0.35	0.36	33.3	33.7	0.35	8.45	8.80	1,272	36,054	37,327	129	1.44	308	41,281
Mit.	30.4	29.2	15.7	136	0.35	0.36	33.3	33.7	0.35	8.45	8.80	1,272	36,054	37,327	129	1.44	308	41,281
% Reduced	6%	7%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	32.9	31.6	10.8	123	0.30	0.21	31.4	31.6	0.19	7.96	8.15	1,272	31,055	32,327	128	1.31	334	36,261
Mit.	28.4	27.2	10.7	109	0.30	0.18	31.4	31.6	0.17	7.96	8.13	1,272	30,997	32,269	128	1.31	334	36,203
% Reduced	14%	14%	1%	11%	—	12%	—	< 0.5%	10%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	—	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.01	5.77	1.98	22.4	0.05	0.04	5.73	5.77	0.03	1.45	1.49	211	5,141	5,352	21.3	0.22	55.3	6,003
Mit.	5.18	4.97	1.96	19.8	0.05	0.03	5.73	5.76	0.03	1.45	1.48	211	5,132	5,343	21.3	0.22	55.3	5,994
% Reduced	14%	14%	1%	11%	< 0.5%	12%	—	< 0.5%	10%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	15.7	14.6	9.74	123	0.33	0.17	33.3	33.5	0.16	8.45	8.61	—	33,138	33,138	1.18	1.22	67.9	33,599
Area	21.0	20.6	0.24	28.5	< 0.005	0.05	—	0.05	0.04	—	0.04	0.00	117	117	< 0.005	< 0.005	—	118
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	392	392	0.00	0.00	—	392
Water	—	—	—	—	—	—	—	—	—	—	—	27.3	2.74	30.0	2.80	0.07	—	120
Waste	—	—	—	—	—	—	—	—	—	—	—	1,245	0.00	1,245	124	0.00	—	4,355

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	306	306
Stationary	1.33	1.31	4.31	22.4	0.04	0.19	0.00	0.19	0.19	0.00	0.19	0.00	4,500	4,500	0.18	0.04	0.00	4,515
Total	38.0	36.5	14.3	173	0.37	0.41	33.3	33.7	0.39	8.45	8.84	1,272	38,150	39,422	129	1.32	374	43,404
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	15.2	14.0	11.4	114	0.31	0.17	33.3	33.5	0.16	8.45	8.61	—	31,160	31,160	1.32	1.34	1.76	31,594
Area	15.9	15.9	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	392	392	0.00	0.00	—	392
Water	—	—	—	—	—	—	—	—	—	—	—	27.3	2.74	30.0	2.80	0.07	—	120
Waste	—	—	—	—	—	—	—	—	—	—	—	1,245	0.00	1,245	124	0.00	—	4,355
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	306	306
Stationary	1.33	1.31	4.31	22.4	0.04	0.19	0.00	0.19	0.19	0.00	0.19	0.00	4,500	4,500	0.18	0.04	0.00	4,515
Total	32.4	31.2	15.7	136	0.35	0.36	33.3	33.7	0.35	8.45	8.80	1,272	36,054	37,327	129	1.44	308	41,281
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	14.4	13.3	10.3	106	0.30	0.16	31.4	31.5	0.15	7.96	8.11	—	30,140	30,140	1.21	1.24	28.1	30,567
Area	18.4	18.2	0.12	14.0	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	57.8	57.8	< 0.005	< 0.005	—	58.0
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	392	392	0.00	0.00	—	392
Water	—	—	—	—	—	—	—	—	—	—	—	27.3	2.74	30.0	2.80	0.07	—	120
Waste	—	—	—	—	—	—	—	—	—	—	—	1,245	0.00	1,245	124	0.00	—	4,355
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	306	306
Stationary	0.14	0.13	0.44	2.30	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	462	462	0.02	< 0.005	0.00	464
Total	32.9	31.6	10.8	123	0.30	0.21	31.4	31.6	0.19	7.96	8.15	1,272	31,055	32,327	128	1.31	334	36,261
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.63	2.43	1.88	19.4	0.05	0.03	5.73	5.76	0.03	1.45	1.48	—	4,990	4,990	0.20	0.20	4.65	5,061
Area	3.36	3.32	0.02	2.56	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	9.56	9.56	< 0.005	< 0.005	—	9.60
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	64.8	64.8	0.00	0.00	—	64.8

Water	—	—	—	—	—	—	—	—	—	—	—	4.52	0.45	4.97	0.46	0.01	—	19.8
Waste	—	—	—	—	—	—	—	—	—	—	—	206	0.00	206	20.6	0.00	—	721
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50.6	50.6
Stationary	0.02	0.02	0.08	0.42	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	76.5	76.5	< 0.005	< 0.005	0.00	76.8
Total	6.01	5.77	1.98	22.4	0.05	0.04	5.73	5.77	0.03	1.45	1.49	211	5,141	5,352	21.3	0.22	55.3	6,003

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	15.7	14.6	9.74	123	0.33	0.17	33.3	33.5	0.16	8.45	8.61	—	33,138	33,138	1.18	1.22	67.9	33,599
Area	13.8	13.8	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	392	392	0.00	0.00	—	392
Water	—	—	—	—	—	—	—	—	—	—	—	27.3	2.74	30.0	2.80	0.07	—	120
Waste	—	—	—	—	—	—	—	—	—	—	—	1,245	0.00	1,245	124	0.00	—	4,355
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	306	306
Stationary	1.33	1.31	4.31	22.4	0.04	0.19	0.00	0.19	0.19	0.00	0.19	0.00	4,500	4,500	0.18	0.04	0.00	4,515
Total	30.9	29.7	14.1	145	0.37	0.36	33.3	33.7	0.35	8.45	8.80	1,272	38,033	39,305	129	1.32	374	43,287
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	15.2	14.0	11.4	114	0.31	0.17	33.3	33.5	0.16	8.45	8.61	—	31,160	31,160	1.32	1.34	1.76	31,594
Area	13.8	13.8	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	392	392	0.00	0.00	—	392
Water	—	—	—	—	—	—	—	—	—	—	—	27.3	2.74	30.0	2.80	0.07	—	120
Waste	—	—	—	—	—	—	—	—	—	—	—	1,245	0.00	1,245	124	0.00	—	4,355

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	306	306
Stationary	1.33	1.31	4.31	22.4	0.04	0.19	0.00	0.19	0.19	0.00	0.19	0.00	4,500	4,500	0.18	0.04	0.00	4,515
Total	30.4	29.2	15.7	136	0.35	0.36	33.3	33.7	0.35	8.45	8.80	1,272	36,054	37,327	129	1.44	308	41,281
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	14.4	13.3	10.3	106	0.30	0.16	31.4	31.5	0.15	7.96	8.11	—	30,140	30,140	1.21	1.24	28.1	30,567
Area	13.8	13.8	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	392	392	0.00	0.00	—	392
Water	—	—	—	—	—	—	—	—	—	—	—	27.3	2.74	30.0	2.80	0.07	—	120
Waste	—	—	—	—	—	—	—	—	—	—	—	1,245	0.00	1,245	124	0.00	—	4,355
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	306	306
Stationary	0.14	0.13	0.44	2.30	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	462	462	0.02	< 0.005	0.00	464
Total	28.4	27.2	10.7	109	0.30	0.18	31.4	31.6	0.17	7.96	8.13	1,272	30,997	32,269	128	1.31	334	36,203
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.63	2.43	1.88	19.4	0.05	0.03	5.73	5.76	0.03	1.45	1.48	—	4,990	4,990	0.20	0.20	4.65	5,061
Area	2.52	2.52	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	64.9	64.9	0.00	0.00	—	64.9
Water	—	—	—	—	—	—	—	—	—	—	—	4.52	0.45	4.97	0.46	0.01	—	19.8
Waste	—	—	—	—	—	—	—	—	—	—	—	206	0.00	206	20.6	0.00	—	721
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50.6	50.6
Stationary	0.02	0.02	0.08	0.42	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	76.5	76.5	< 0.005	< 0.005	0.00	76.8
Total	5.18	4.97	1.96	19.8	0.05	0.03	5.73	5.76	0.03	1.45	1.48	211	5,132	5,343	21.3	0.22	55.3	5,994

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	392	392	0.00	0.00	—	392
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	392	392	0.00	0.00	—	392
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	392	392	0.00	0.00	—	392
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	392	392	0.00	0.00	—	392
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	64.8	64.8	0.00	0.00	—	64.8
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	64.8	64.8	0.00	0.00	—	64.8

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.06	0.06	0.00	0.00	—	0.06
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	392	392	0.00	0.00	—	392
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05	0.00	0.00	—	0.05
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	392	392	0.00	0.00	—	392
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	392	392	0.00	0.00	—	392
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	392	392	0.00	0.00	—	392
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	64.9	64.9	0.00	0.00	—	64.9

University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	64.9	64.9	0.00	0.00	—	64.9

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	14.0	14.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	1.87	1.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	5.07	4.68	0.24	28.5	< 0.005	0.05	—	0.05	0.04	—	0.04	—	117	117	< 0.005	< 0.005	—	118
Total	21.0	20.6	0.24	28.5	< 0.005	0.05	—	0.05	0.04	—	0.04	0.00	117	117	< 0.005	< 0.005	—	118
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	14.0	14.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.87	1.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	15.9	15.9	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	2.56	2.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.34	0.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.46	0.42	0.02	2.56	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.56	9.56	< 0.005	< 0.005	—	9.60
Total	3.36	3.32	0.02	2.56	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	9.56	9.56	< 0.005	< 0.005	—	9.60

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	13.0	13.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.83	0.83	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	13.8	13.8	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	13.0	13.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.83	0.83	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	13.8	13.8	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	2.37	2.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	0.15	0.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	2.52	2.52	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	27.3	2.64	29.9	2.80	0.07	—	120
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.10	0.10	0.00	0.00	—	0.10
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclose Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	27.3	2.74	30.0	2.80	0.07	—	120
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	27.3	2.64	29.9	2.80	0.07	—	120
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.10	0.10	0.00	0.00	—	0.10
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	27.3	2.74	30.0	2.80	0.07	—	120
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	4.52	0.44	4.96	0.46	0.01	—	19.8
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.02	0.02	0.00	0.00	—	0.02
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4.52	0.45	4.97	0.46	0.01	—	19.8

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	27.3	2.64	29.9	2.80	0.07	—	120
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.10	0.10	0.00	0.00	—	0.10
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	27.3	2.74	30.0	2.80	0.07	—	120
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	27.3	2.64	29.9	2.80	0.07	—	120

University/Colleg	—	—	—	—	—	—	—	—	—	—	—	0.00	0.10	0.10	0.00	0.00	—	0.10
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	27.3	2.74	30.0	2.80	0.07	—	120
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	4.52	0.44	4.96	0.46	0.01	—	19.8
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.02	0.02	0.00	0.00	—	0.02
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4.52	0.45	4.97	0.46	0.01	—	19.8

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	1,245	0.00	1,245	124	0.00	—	4,355
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,245	0.00	1,245	124	0.00	—	4,355
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	1,245	0.00	1,245	124	0.00	—	4,355
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,245	0.00	1,245	124	0.00	—	4,355
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	206	0.00	206	20.6	0.00	—	721
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclose Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	206	0.00	206	20.6	0.00	—	721

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	1,245	0.00	1,245	124	0.00	—	4,355
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclose d	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,245	0.00	1,245	124	0.00	—	4,355
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Researc h & Developm ent	—	—	—	—	—	—	—	—	—	—	—	1,245	0.00	1,245	124	0.00	—	4,355
Universit y/Colleg e (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,245	0.00	1,245	124	0.00	—	4,355
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Researc & Developm ent	—	—	—	—	—	—	—	—	—	—	—	206	0.00	206	20.6	0.00	—	721
Universit y/Colleg e (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	206	0.00	206	20.6	0.00	—	721

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	156	156
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	149	149
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.20	0.20
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	306	306
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	156	156
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	149	149
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.20	0.20
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	306	306
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	25.9	25.9
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	24.7	24.7
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50.6	50.6

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	156	156
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	149	149
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.20	0.20
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	306	306
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	156	156
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	149	149
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.20	0.20
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	306	306
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	25.9	25.9

Researc & Developm	— ent	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	24.7	24.7
Universit y/Colleg e (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50.6	50.6

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.33	1.31	4.31	22.4	0.04	0.19	0.00	0.19	0.19	0.00	0.19	0.00	4,500	4,500	0.18	0.04	0.00	4,515
Total	1.33	1.31	4.31	22.4	0.04	0.19	0.00	0.19	0.19	0.00	0.19	0.00	4,500	4,500	0.18	0.04	0.00	4,515
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.33	1.31	4.31	22.4	0.04	0.19	0.00	0.19	0.19	0.00	0.19	0.00	4,500	4,500	0.18	0.04	0.00	4,515
Total	1.33	1.31	4.31	22.4	0.04	0.19	0.00	0.19	0.19	0.00	0.19	0.00	4,500	4,500	0.18	0.04	0.00	4,515
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Emergency Generat	0.02	0.02	0.08	0.42	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	76.5	76.5	< 0.005	< 0.005	0.00	76.8
Total	0.02	0.02	0.08	0.42	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	76.5	76.5	< 0.005	< 0.005	0.00	76.8

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.33	1.31	4.31	22.4	0.04	0.19	0.00	0.19	0.19	0.00	0.19	0.00	4,500	4,500	0.18	0.04	0.00	4,515
Total	1.33	1.31	4.31	22.4	0.04	0.19	0.00	0.19	0.19	0.00	0.19	0.00	4,500	4,500	0.18	0.04	0.00	4,515
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.33	1.31	4.31	22.4	0.04	0.19	0.00	0.19	0.19	0.00	0.19	0.00	4,500	4,500	0.18	0.04	0.00	4,515
Total	1.33	1.31	4.31	22.4	0.04	0.19	0.00	0.19	0.19	0.00	0.19	0.00	4,500	4,500	0.18	0.04	0.00	4,515
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.02	0.02	0.08	0.42	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	76.5	76.5	< 0.005	< 0.005	0.00	76.8
Total	0.02	0.02	0.08	0.42	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	76.5	76.5	< 0.005	< 0.005	0.00	76.8

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	5,607	5,607	5,607	1,962,450	47,240	47,240	47,240	16,534,000

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	5,607	5,607	5,607	1,962,450	47,240	47,240	47,240	16,534,000

5.10. Operational Area Sources

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	982,500	327,500	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Office Park	0.00	7.14	0.0000	0.0000	0.00
Research & Development	20,010,000	7.14	0.0000	0.0000	0.00
University/College (4yr)	0.00	7.14	0.0000	0.0000	0.00
General Office Building	0.00	7.14	0.0000	0.0000	0.00
Regional Shopping Center	0.00	7.14	0.0000	0.0000	0.00
Hotel	0.00	7.14	0.0000	0.0000	0.00
Apartments Mid Rise	0.00	7.14	0.0000	0.0000	0.00
Enclosed Parking with Elevator	0.00	7.14	0.0000	0.0000	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Office Park	0.00	7.14	0.0000	0.0000	0.00
Research & Development	20,010,000	7.14	0.0000	0.0000	0.00
University/College (4yr)	0.00	7.14	0.0000	0.0000	0.00
General Office Building	0.00	7.14	0.0000	0.0000	0.00
Regional Shopping Center	0.00	7.14	0.0000	0.0000	0.00
Hotel	0.00	7.14	0.0000	0.0000	0.00
Apartments Mid Rise	0.00	7.14	0.0000	0.0000	0.00
Enclosed Parking with Elevator	0.00	7.14	0.0000	0.0000	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Office Park	0.00	0.00
Research & Development	14,247,500	8,600,000
University/College (4yr)	0.00	1,410,300
General Office Building	0.00	0.00
Regional Shopping Center	0.00	0.00
Hotel	0.00	0.00
Apartments Mid Rise	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Office Park	0.00	0.00
Research & Development	14,247,500	8,600,000
University/College (4yr)	0.00	1,410,300
General Office Building	0.00	0.00
Regional Shopping Center	0.00	0.00
Hotel	0.00	0.00
Apartments Mid Rise	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	0.00	—
Research & Development	2,310	—
University/College (4yr)	0.00	—
General Office Building	0.00	—
Regional Shopping Center	0.00	—
Hotel	0.00	—
Apartments Mid Rise	0.00	—
Enclosed Parking with Elevator	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	0.00	—
Research & Development	2,310	—
University/College (4yr)	0.00	—
General Office Building	0.00	—
Regional Shopping Center	0.00	—
Hotel	0.00	—
Apartments Mid Rise	0.00	—
Enclosed Parking with Elevator	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00

Research & Development	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Office Park	Chillers	User Defined	630	18.7	1.00	1.00	20.0
Research & Development	Other commercial A/C and heat pumps	User Defined	466	6.44	1.00	1.00	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Research & Development	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Office Park	Chillers	User Defined	630	18.7	1.00	1.00	20.0
Research & Development	Other commercial A/C and heat pumps	User Defined	466	6.44	1.00	1.00	18.0

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	2.00	4.00	150	670	0.73

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	Project in urban environment
Land Use	Office acres include acres for office, R&D, and academic. Active use acres partially shared with R&D acres. No conference, hotel, housing, or garage during Phase 1.
Construction: Construction Phases	Data provided by SKS
Construction: Off-Road Equipment	Data provided by SKS. Accounts for project design feature of Tier 4 engines (equipment greater than 25 HP).
Construction: Dust From Material Movement	Data provided by SKS. Accounts for CBP AIR-2.
Construction: Trips and VMT	Data provided by SKS. Defaults used where project-specific inputs not available.
Construction: Paving	Data provided by SKS
Construction: On-Road Fugitive Dust	Accounts for CBP AIR-2. Silt loading modified per BAAQMD CEQA Guidelines.
Construction: Architectural Coatings	Distributed coating square footages to phases based on buildings constructed in each phase.
Characteristics: Utility Information	Per PG&E's 2023 PCL adjusted to account for RPS. CO2 is CO2e.
Operations: Energy Use	Energy consumption value is for all project land uses (estimates by building type not available). Estimate provided by SKS and accounts for energy efficiency and renewable energy project design elements. No building natural gas consumption.
Operations: Water and Waste Water	Indoor and outdoor water consumption values are for all project land uses (estimates by building type not available). Indoor estimate modeled under R&D land use type. Outdoor water estimate modeled under University land use type. Outdoor intensity factors adjusted to account for use of reclaimed water (no supply). Estimates provided by EKI and account for water efficiency project design elements. Cooling tower water estimate modeled under R&D land use type (outdoor, not reclaimed).
Operations: Solid Waste	Waste generation value is for all project land uses (estimates by building type not available). Estimate provided by SKS and accounts for waste reduction project design elements.

Operations: Refrigerants	Refrigerant quantities for project-wide Centrifugal Chillers and Building A/C Heat Pumps provided by SKS and modeled under Office and R&D land use type. Default pumps from other land use types removed to avoid double counting. Defaults retained for building refrigerators and freezers.
Operations: Generators + Pumps EF	TOG/ROG, NOx, and PM emission factors revised for Tier 4 generator standards per Cal. Code Regs. Tit. 13, § 242 Generator Standards.
Operations: Hearths	No hearth

A1.2.2 Phases 1 and 2 Operations CalEEMod Output

The CalEEMod output presents model inputs and outputs for operation of land uses constructed under the CEQA Proposed Project, Phases 1 and 2. All structures were assumed to be fully occupied the first year following completion of construction (i.e., 2031 for Phase 1, 2034 for Phase 2). These emissions would also occur under the CEQA Proposed Project with either utility option or the CEQA Proposed Project with the Variant.

Note that the mitigated condition does not account for Mitigation Measure TRAN-1. Based on modeling from Fehr & Peers, the measure would achieve a 7.5 percent reduction in trips and VMT (Tan pers. comm. [A]). Accordingly, mobile-source emissions from CalEEMod were manually reduced by 7.5 percent to account for implementation of Mitigation Measure TRAN-1.

Neither total operation nor mobile-source emissions results in the CalEEMod output are adjusted to reflect the June 12, 2025, congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has developed off-model adjustment factors for NO_X, ROG, PM_{10}, and $PM_{2.5}$ that remove the estimated emissions benefits attributed to regulations. Emissions of these pollutants were separately quantified using the project-specific traffic data and emission factors from EMFAC2021 with the off-model adjustments per CARB's guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for mobile sources and the total operational emissions recalculated. Refer to Section A1.2.9 for the off-model calculations.

Moffett Alt 1 Operation Phase 1 and 2 Custom Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Moffett Alt 1 Operation Phase 1 and 2
Operational Year	2034
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	28.2
Location	37.40646021370499, -122.05214834788202
County	Santa Clara
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1702
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	220	1000sqft	7.70	220,000	0.00	0.00	—	—
Research & Development	890	1000sqft	0.00	890,000	0.00	0.00	—	—

University/College (4yr)	116	Student	0.00	170,000	0.00	0.00	—	—
General Office Building	25.0	1000sqft	1.10	25,000	0.00	0.00	—	—
Regional Shopping Center	50.0	1000sqft	0.60	50,000	0.00	0.00	—	—
Hotel	100	Room	0.00	75,000	0.00	0.00	—	—
Apartments Mid Rise	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	—
Enclosed Parking with Elevator	0.00	1000sqft	0.00	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Area Sources	AS-1	Use Low-VOC Cleaning Supplies
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment
Area Sources	AS-2	Use Low-VOC Paints

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	82.6	79.3	33.0	390	0.84	1.01	75.8	76.8	0.96	19.2	20.2	2,558	86,957	89,515	259	2.86	764	97,601
Mit.	67.0	64.6	32.5	327	0.84	0.90	75.8	76.7	0.88	19.2	20.1	2,558	86,702	89,260	259	2.86	764	97,345
% Reduced	19%	19%	2%	16%	< 0.5%	11%	—	< 0.5%	9%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	70.6	68.1	35.9	307	0.79	0.90	75.8	76.7	0.88	19.2	20.1	2,558	82,357	84,915	259	3.11	669	92,986
Mit.	66.0	63.5	35.9	307	0.79	0.90	75.8	76.7	0.88	19.2	20.1	2,558	82,357	84,915	259	3.11	669	92,986
% Reduced	6%	7%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	70.8	68.1	22.3	263	0.66	0.43	71.4	71.8	0.40	18.1	18.5	2,558	68,147	70,705	258	2.80	707	78,705
Mit.	60.8	58.5	22.0	232	0.66	0.38	71.4	71.8	0.36	18.1	18.5	2,558	68,022	70,580	258	2.80	707	78,579
% Reduced	14%	14%	1%	12%	< 0.5%	13%	—	< 0.5%	10%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	12.9	12.4	4.06	48.0	0.12	0.08	13.0	13.1	0.07	3.30	3.38	423	11,283	11,706	42.8	0.46	117	13,031
Mit.	11.1	10.7	4.01	42.4	0.12	0.07	13.0	13.1	0.06	3.30	3.37	423	11,262	11,685	42.8	0.46	117	13,010
% Reduced	14%	14%	1%	12%	< 0.5%	13%	—	< 0.5%	10%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	32.8	30.5	19.6	260	0.71	0.33	75.8	76.2	0.31	19.2	19.5	—	72,397	72,397	2.42	2.60	98.0	73,330
Area	45.8	44.9	0.52	62.2	< 0.005	0.11	—	0.11	0.08	—	0.08	0.00	256	256	0.01	< 0.005	—	257
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	799	799	0.00	0.00	—	799
Water	—	—	—	—	—	—	—	—	—	—	—	63.6	6.00	69.6	6.52	0.15	—	279
Waste	—	—	—	—	—	—	—	—	—	—	—	2,494	0.00	2,494	249	0.00	—	8,726

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	666	666
Stationary	3.99	3.92	12.9	67.3	0.13	0.57	0.00	0.57	0.57	0.00	0.57	0.00	13,499	13,499	0.54	0.11	0.00	13,544
Total	82.6	79.3	33.0	390	0.84	1.01	75.8	76.8	0.96	19.2	20.2	2,558	86,957	89,515	259	2.86	764	97,601
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	31.9	29.5	22.9	240	0.67	0.33	75.8	76.2	0.31	19.2	19.5	—	68,052	68,052	2.70	2.85	2.54	68,972
Area	34.7	34.7	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	799	799	0.00	0.00	—	799
Water	—	—	—	—	—	—	—	—	—	—	—	63.6	6.00	69.6	6.52	0.15	—	279
Waste	—	—	—	—	—	—	—	—	—	—	—	2,494	0.00	2,494	249	0.00	—	8,726
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	666	666
Stationary	3.99	3.92	12.9	67.3	0.13	0.57	0.00	0.57	0.57	0.00	0.57	0.00	13,499	13,499	0.54	0.11	0.00	13,544
Total	70.6	68.1	35.9	307	0.79	0.90	75.8	76.7	0.88	19.2	20.1	2,558	82,357	84,915	259	3.11	669	92,986
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	30.2	27.9	20.7	225	0.65	0.32	71.4	71.7	0.30	18.1	18.4	—	65,829	65,829	2.47	2.63	40.6	66,717
Area	40.2	39.7	0.26	30.7	< 0.005	0.05	—	0.05	0.04	—	0.04	0.00	126	126	0.01	< 0.005	—	127
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	799	799	0.00	0.00	—	799
Water	—	—	—	—	—	—	—	—	—	—	—	63.6	6.00	69.6	6.52	0.15	—	279
Waste	—	—	—	—	—	—	—	—	—	—	—	2,494	0.00	2,494	249	0.00	—	8,726
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	666	666
Stationary	0.41	0.40	1.33	6.91	0.01	0.06	0.00	0.06	0.06	0.00	0.06	0.00	1,387	1,387	0.06	0.01	0.00	1,392
Total	70.8	68.1	22.3	263	0.66	0.43	71.4	71.8	0.40	18.1	18.5	2,558	68,147	70,705	258	2.80	707	78,705
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.52	5.10	3.77	41.1	0.12	0.06	13.0	13.1	0.05	3.30	3.36	—	10,899	10,899	0.41	0.44	6.72	11,046
Area	7.33	7.25	0.05	5.60	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	20.9	20.9	< 0.005	< 0.005	—	21.0
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	132	132	0.00	0.00	—	132

Water	—	—	—	—	—	—	—	—	—	—	—	10.5	0.99	11.5	1.08	0.03	—	46.2
Waste	—	—	—	—	—	—	—	—	—	—	—	413	0.00	413	41.3	0.00	—	1,445
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	110	110
Stationary	0.07	0.07	0.24	1.26	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	230	230	0.01	< 0.005	0.00	230
Total	12.9	12.4	4.06	48.0	0.12	0.08	13.0	13.1	0.07	3.30	3.38	423	11,283	11,706	42.8	0.46	117	13,031

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	32.8	30.5	19.6	260	0.71	0.33	75.8	76.2	0.31	19.2	19.5	—	72,397	72,397	2.42	2.60	98.0	73,330
Area	30.1	30.1	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	800	800	0.00	0.00	—	800
Water	—	—	—	—	—	—	—	—	—	—	—	63.6	6.00	69.6	6.52	0.15	—	279
Waste	—	—	—	—	—	—	—	—	—	—	—	2,494	0.00	2,494	249	0.00	—	8,726
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	666	666
Stationary	3.99	3.92	12.9	67.3	0.13	0.57	0.00	0.57	0.57	0.00	0.57	0.00	13,499	13,499	0.54	0.11	0.00	13,544
Total	67.0	64.6	32.5	327	0.84	0.90	75.8	76.7	0.88	19.2	20.1	2,558	86,702	89,260	259	2.86	764	97,345
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	31.9	29.5	22.9	240	0.67	0.33	75.8	76.2	0.31	19.2	19.5	—	68,052	68,052	2.70	2.85	2.54	68,972
Area	30.1	30.1	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	799	799	0.00	0.00	—	799
Water	—	—	—	—	—	—	—	—	—	—	—	63.6	6.00	69.6	6.52	0.15	—	279
Waste	—	—	—	—	—	—	—	—	—	—	—	2,494	0.00	2,494	249	0.00	—	8,726

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	666	666
Stationary	3.99	3.92	12.9	67.3	0.13	0.57	0.00	0.57	0.57	0.00	0.57	0.00	13,499	13,499	0.54	0.11	0.00	13,544
Total	66.0	63.5	35.9	307	0.79	0.90	75.8	76.7	0.88	19.2	20.1	2,558	82,357	84,915	259	3.11	669	92,986
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	30.2	27.9	20.7	225	0.65	0.32	71.4	71.7	0.30	18.1	18.4	—	65,829	65,829	2.47	2.63	40.6	66,717
Area	30.1	30.1	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	799	799	0.00	0.00	—	799
Water	—	—	—	—	—	—	—	—	—	—	—	63.6	6.00	69.6	6.52	0.15	—	279
Waste	—	—	—	—	—	—	—	—	—	—	—	2,494	0.00	2,494	249	0.00	—	8,726
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	666	666
Stationary	0.41	0.40	1.33	6.91	0.01	0.06	0.00	0.06	0.06	0.00	0.06	0.00	1,387	1,387	0.06	0.01	0.00	1,392
Total	60.8	58.5	22.0	232	0.66	0.38	71.4	71.8	0.36	18.1	18.5	2,558	68,022	70,580	258	2.80	707	78,579
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.52	5.10	3.77	41.1	0.12	0.06	13.0	13.1	0.05	3.30	3.36	—	10,899	10,899	0.41	0.44	6.72	11,046
Area	5.50	5.50	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	132	132	0.00	0.00	—	132
Water	—	—	—	—	—	—	—	—	—	—	—	10.5	0.99	11.5	1.08	0.03	—	46.2
Waste	—	—	—	—	—	—	—	—	—	—	—	413	0.00	413	41.3	0.00	—	1,445
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	110	110
Stationary	0.07	0.07	0.24	1.26	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	230	230	0.01	< 0.005	0.00	230
Total	11.1	10.7	4.01	42.4	0.12	0.07	13.0	13.1	0.06	3.30	3.37	423	11,262	11,685	42.8	0.46	117	13,010

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	799	799	0.00	0.00	—	799
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	799	799	0.00	0.00	—	799
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	799	799	0.00	0.00	—	799
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	799	799	0.00	0.00	—	799
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	132	132	0.00	0.00	—	132
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	132	132	0.00	0.00	—	132

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.12	0.12	0.00	0.00	—	0.12
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	800	800	0.00	0.00	—	800
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.09	0.09	0.00	0.00	—	0.09
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03	0.00	0.00	—	0.03
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04	0.00	0.00	—	0.04
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	800	800	0.00	0.00	—	800
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	799	799	0.00	0.00	—	799
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	799	799	0.00	0.00	—	799
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	132	132	0.00	0.00	—	132

University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	132	132	0.00	0.00	—	132

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	30.6	30.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	4.09	4.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	11.1	10.2	0.52	62.2	< 0.005	0.11	—	0.11	0.08	—	0.08	—	256	256	0.01	< 0.005	—	257
Total	45.8	44.9	0.52	62.2	< 0.005	0.11	—	0.11	0.08	—	0.08	0.00	256	256	0.01	< 0.005	—	257
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	30.6	30.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	4.09	4.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	34.7	34.7	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	5.58	5.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.75	0.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.00	0.92	0.05	5.60	< 0.005	0.01	—	0.01	0.01	—	0.01	—	20.9	20.9	< 0.005	< 0.005	—	21.0
Total	7.33	7.25	0.05	5.60	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	20.9	20.9	< 0.005	< 0.005	—	21.0

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	28.3	28.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.82	1.82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	30.1	30.1	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	28.3	28.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.82	1.82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	30.1	30.1	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	5.17	5.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	0.33	0.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	5.50	5.50	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	63.6	5.81	69.4	6.52	0.15	—	279
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.19	0.19	0.00	0.00	—	0.19
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclose Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	63.6	6.00	69.6	6.52	0.15	—	279
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	63.6	5.81	69.4	6.52	0.15	—	279
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.19	0.19	0.00	0.00	—	0.19
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	63.6	6.00	69.6	6.52	0.15	—	279
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	10.5	0.96	11.5	1.08	0.03	—	46.1
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.03	0.03	0.00	0.00	—	0.03
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	10.5	0.99	11.5	1.08	0.03	—	46.2

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	63.6	5.81	69.4	6.52	0.15	—	279
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.19	0.19	0.00	0.00	—	0.19
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	63.6	6.00	69.6	6.52	0.15	—	279
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	63.6	5.81	69.4	6.52	0.15	—	279

University/Colleg	—	—	—	—	—	—	—	—	—	—	—	0.00	0.19	0.19	0.00	0.00	—	0.19
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	63.6	6.00	69.6	6.52	0.15	—	279
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	10.5	0.96	11.5	1.08	0.03	—	46.1
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.03	0.03	0.00	0.00	—	0.03
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	10.5	0.99	11.5	1.08	0.03	—	46.2

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	2,494	0.00	2,494	249	0.00	—	8,726
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2,494	0.00	2,494	249	0.00	—	8,726
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	2,494	0.00	2,494	249	0.00	—	8,726
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2,494	0.00	2,494	249	0.00	—	8,726
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	413	0.00	413	41.3	0.00	—	1,445
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclose Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	413	0.00	413	41.3	0.00	—	1,445

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	2,494	0.00	2,494	249	0.00	—	8,726
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclose d	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2,494	0.00	2,494	249	0.00	—	8,726
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Researc h & Developm ent	—	—	—	—	—	—	—	—	—	—	—	2,494	0.00	2,494	249	0.00	—	8,726
Universit y/Colleg e (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2,494	0.00	2,494	249	0.00	—	8,726
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Researc & Developm ent	—	—	—	—	—	—	—	—	—	—	—	413	0.00	413	41.3	0.00	—	1,445
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	413	0.00	413	41.3	0.00	—	1,445

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	341	341
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	324	324
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.39	0.39
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.16	0.16
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	666	666
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	341	341
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	324	324
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.39	0.39
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.16	0.16
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	666	666
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.5	56.5
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	53.6	53.6
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06	0.06
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	110	110

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	341	341
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	324	324
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.39	0.39
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.16	0.16
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	666	666
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	341	341
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	324	324
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.39	0.39
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.16	0.16
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	666	666
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.5	56.5
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	53.6	53.6
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06	0.06
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	110	110

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	3.99	3.92	12.9	67.3	0.13	0.57	0.00	0.57	0.57	0.00	0.57	0.00	13,499	13,499	0.54	0.11	0.00	13,544
Total	3.99	3.92	12.9	67.3	0.13	0.57	0.00	0.57	0.57	0.00	0.57	0.00	13,499	13,499	0.54	0.11	0.00	13,544
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	3.99	3.92	12.9	67.3	0.13	0.57	0.00	0.57	0.57	0.00	0.57	0.00	13,499	13,499	0.54	0.11	0.00	13,544
Total	3.99	3.92	12.9	67.3	0.13	0.57	0.00	0.57	0.57	0.00	0.57	0.00	13,499	13,499	0.54	0.11	0.00	13,544
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.07	0.07	0.24	1.26	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	230	230	0.01	< 0.005	0.00	230
Total	0.07	0.07	0.24	1.26	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	230	230	0.01	< 0.005	0.00	230

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	3.99	3.92	12.9	67.3	0.13	0.57	0.00	0.57	0.57	0.00	0.57	0.00	13,499	13,499	0.54	0.11	0.00	13,544
Total	3.99	3.92	12.9	67.3	0.13	0.57	0.00	0.57	0.57	0.00	0.57	0.00	13,499	13,499	0.54	0.11	0.00	13,544

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	3.99	3.92	12.9	67.3	0.13	0.57	0.00	0.57	0.57	0.00	0.57	0.00	13,499	13,499	0.54	0.11	0.00	13,544
Total	3.99	3.92	12.9	67.3	0.13	0.57	0.00	0.57	0.57	0.00	0.57	0.00	13,499	13,499	0.54	0.11	0.00	13,544
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.07	0.07	0.24	1.26	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	230	230	0.01	< 0.005	0.00	230
Total	0.07	0.07	0.24	1.26	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	230	230	0.01	< 0.005	0.00	230

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	12,758	12,758	12,758	4,465,300	107,490	107,490	107,490	37,621,500

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	12,758	12,758	12,758	4,465,300	107,490	107,490	107,490	37,621,500

5.10. Operational Area Sources

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	2,145,000	715,000	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Office Park	0.00	7.14	0.0000	0.0000	0.00
Research & Development	40,830,000	7.14	0.0000	0.0000	0.00
University/College (4yr)	0.00	7.14	0.0000	0.0000	0.00
General Office Building	0.00	7.14	0.0000	0.0000	0.00
Regional Shopping Center	0.00	7.14	0.0000	0.0000	0.00
Hotel	0.00	7.14	0.0000	0.0000	0.00
Apartments Mid Rise	0.00	7.14	0.0000	0.0000	0.00
Enclosed Parking with Elevator	0.00	7.14	0.0000	0.0000	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Office Park	0.00	7.14	0.0000	0.0000	0.00
Research & Development	40,830,000	7.14	0.0000	0.0000	0.00
University/College (4yr)	0.00	7.14	0.0000	0.0000	0.00
General Office Building	0.00	7.14	0.0000	0.0000	0.00
Regional Shopping Center	0.00	7.14	0.0000	0.0000	0.00
Hotel	0.00	7.14	0.0000	0.0000	0.00
Apartments Mid Rise	0.00	7.14	0.0000	0.0000	0.00
Enclosed Parking with Elevator	0.00	7.14	0.0000	0.0000	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Office Park	0.00	0.00
Research & Development	33,200,700	16,600,000
University/College (4yr)	0.00	2,545,600
General Office Building	0.00	0.00
Regional Shopping Center	0.00	0.00
Hotel	0.00	0.00
Apartments Mid Rise	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)

Office Park	0.00	0.00
Research & Development	33,200,700	16,600,000
University/College (4yr)	0.00	2,545,600
General Office Building	0.00	0.00
Regional Shopping Center	0.00	0.00
Hotel	0.00	0.00
Apartments Mid Rise	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	0.00	—
Research & Development	4,628	—
University/College (4yr)	0.00	—
General Office Building	0.00	—
Regional Shopping Center	0.00	—
Hotel	0.00	—
Apartments Mid Rise	0.00	—
Enclosed Parking with Elevator	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	0.00	—
Research & Development	4,628	—
University/College (4yr)	0.00	—
General Office Building	0.00	—

Regional Shopping Center	0.00	—
Hotel	0.00	—
Apartments Mid Rise	0.00	—
Enclosed Parking with Elevator	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Research & Development	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

Office Park	Chillers	User Defined	630	20.4	1.00	1.00	20.0
Research & Development	Other commercial A/C and heat pumps	User Defined	466	7.03	1.00	1.00	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Research & Development	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Office Park	Chillers	User Defined	630	20.4	1.00	1.00	20.0
Research & Development	Other commercial A/C and heat pumps	User Defined	466	7.03	1.00	1.00	18.0

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	6.00	4.00	150	670	0.73

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	Project in urban environment
Land Use	Office acres include acres for office, R&D, and academic. Active use acres partially shared with R&D acres. No housing or garage during Phase 1+2.
Construction: Construction Phases	Data provided by SKS
Construction: Off-Road Equipment	Data provided by SKS. Accounts for project design feature of Tier 4 engines (equipment greater than 25 HP).
Construction: Dust From Material Movement	Data provided by SKS. Accounts for CBP AIR-2.
Construction: Trips and VMT	Data provided by SKS. Defaults used where project-specific inputs not available.
Construction: Paving	Data provided by SKS
Construction: On-Road Fugitive Dust	Accounts for CBP AIR-2. Silt loading modified per BAAQMD CEQA Guidelines.
Construction: Architectural Coatings	Distributed coating square footages to phases based on buildings constructed in each phase.
Characteristics: Utility Information	Per PG&E's 2023 PCL adjusted to account for RPS. CO2 is CO2e.
Operations: Energy Use	Energy consumption value is for all project land uses (estimates by building type not available). Estimate provided by SKS and accounts for energy efficiency and renewable energy project design elements. No building natural gas consumption.
Operations: Water and Waste Water	Indoor and outdoor water consumption values are for all project land uses (estimates by building type not available). Indoor estimate modeled under R&D land use type. Outdoor water estimate modeled under University land use type. Outdoor intensity factors adjusted to account for use of reclaimed water (no supply). Estimates provided by SKS and account for water efficiency project design elements. Cooling tower water estimate modeled under R&D land use type (outdoor, not reclaimed).
Operations: Solid Waste	Waste generation value is for all project land uses (estimates by building type not available). Estimate provided by SKS and accounts for waste reduction project design elements.

Operations: Refrigerants	Refrigerant quantities for project-wide Centrifugal Chillers and Building A/C Heat Pumps provided by SKS and modeled under Office and R&D land use type. Default pumps from other land use types removed to avoid double counting. Defaults retained for building refrigerators and freezers.
Operations: Generators + Pumps EF	TOG/ROG, NOx, and PM emission factors revised for Tier 4 generator standards per Cal. Code Regs. Tit. 13, § 242 Generator Standards.
Operations: Emergency Generators and Fire Pumps	Data per SKS. 2-4 hr./mo. (testing) (50 annual hours); 100 hrs./year (emergency per BAAQMD) = 150 total annual hours per generator
Operations: Hearths	No hearth

A1.2.3 Phases 1, 2, and 3 Operations CalEEMod Output

The CalEEMod output presents model inputs and outputs for operation of land uses constructed under the CEQA Proposed Project, Phases 1, 2, and 3. All structures were assumed to be fully occupied the first year following completion of construction (i.e., 2031 for Phase 1, 2034 for Phase 2; 2037 for Phase 3). These emissions would also occur under the CEQA Proposed Project WRF Option and the CEQA Proposed Project with the Variant.

Note that the mitigated condition does not account for Mitigation Measure TRAN-1. Based on modeling from Fehr & Peers, the measure would achieve a 7.5 percent reduction in trips and VMT (Tan pers. comm. [A]). Accordingly, mobile-source emissions from CalEEMod were manually reduced by 7.5 percent to account for implementation of Mitigation Measure TRAN-1.

Neither total operation nor mobile-source emissions results in the CalEEMod output are adjusted to reflect the June 12, 2025, congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has developed off-model adjustment factors for NO_X, ROG, PM_{10}, and $PM_{2.5}$ that remove the estimated emissions benefits attributed to regulations. Emissions of these pollutants were separately quantified using the project-specific traffic data and emission factors from EMFAC2021 with the off-model adjustments per CARB's guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for mobile sources and the total operational emissions recalculated. Refer to Section A1.2.9 for the off-model calculations.

Moffett Alt 1 Operation Phase 1, 2, and 3 Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Moffett Alt 1 Operation Phase 1, 2, and 3
Operational Year	2037
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	28.2
Location	37.40646021370499, -122.05214834788202
County	Santa Clara
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1702
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	290	1000sqft	10.2	290,000	0.00	0.00	—	—
Research & Development	1,140	1000sqft	0.00	1,140,000	0.00	0.00	—	—

University/College (4yr)	150	Student	0.00	220,000	0.00	0.00	—	—
General Office Building	25.0	1000sqft	1.10	25,000	0.00	0.00	—	—
Regional Shopping Center	70.0	1000sqft	0.60	70,000	0.00	0.00	—	—
Hotel	100	Room	0.00	75,000	0.00	0.00	—	—
Apartments Mid Rise	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	—
Enclosed Parking with Elevator	550	1000sqft	1.40	550,000	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Area Sources	AS-1	Use Low-VOC Cleaning Supplies
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment
Area Sources	AS-2	Use Low-VOC Paints

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	108	104	41.3	515	1.07	1.32	98.6	99.9	1.25	25.0	26.2	3,281	109,861	113,142	332	3.53	925	123,411
Mit.	83.7	80.8	40.4	412	1.06	1.14	98.6	99.7	1.11	25.0	26.1	3,281	109,438	112,718	332	3.53	925	122,986
% Reduced	22%	22%	2%	20%	1%	14%	—	< 0.5%	11%	—	1%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	88.5	85.5	44.4	385	1.01	1.14	98.6	99.7	1.11	25.0	26.1	3,281	103,922	107,202	332	3.84	850	117,497
Mit.	82.7	79.7	44.4	385	1.01	1.14	98.6	99.7	1.11	25.0	26.1	3,281	103,922	107,202	332	3.84	850	117,497
% Reduced	7%	7%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	90.8	87.3	26.7	338	0.83	0.53	92.8	93.3	0.48	23.5	24.0	3,281	85,190	88,471	331	3.45	880	98,656
Mit.	75.9	73.2	26.2	287	0.83	0.44	92.8	93.3	0.42	23.5	24.0	3,281	84,981	88,262	331	3.45	880	98,446
% Reduced	16%	16%	2%	15%	< 0.5%	17%	—	< 0.5%	14%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	16.6	15.9	4.87	61.7	0.15	0.10	16.9	17.0	0.09	4.30	4.38	543	14,104	14,647	54.8	0.57	146	16,334
Mit.	13.9	13.4	4.79	52.4	0.15	0.08	16.9	17.0	0.08	4.30	4.37	543	14,070	14,613	54.8	0.57	146	16,299
% Reduced	16%	16%	2%	15%	< 0.5%	17%	—	< 0.5%	14%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	40.0	37.2	23.1	322	0.90	0.38	98.6	99.0	0.35	25.0	25.3	—	91,174	91,174	2.87	3.19	77.0	92,274
Area	62.5	61.1	0.87	103	0.01	0.18	—	0.18	0.14	—	0.14	0.00	424	424	0.02	< 0.005	—	425
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	263	263	0.00	0.00	—	263
Water	—	—	—	—	—	—	—	—	—	—	—	79.7	1.89	81.5	8.17	0.19	—	344
Waste	—	—	—	—	—	—	—	—	—	—	—	3,201	0.00	3,201	320	0.00	—	11,199

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	848	848
Stationary	5.32	5.23	17.3	89.7	0.17	0.76	0.00	0.76	0.76	0.00	0.76	0.00	17,999	17,999	0.72	0.14	0.00	18,059
Total	108	104	41.3	515	1.07	1.32	98.6	99.9	1.25	25.0	26.2	3,281	109,861	113,142	332	3.53	925	123,411
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	39.0	36.1	27.1	295	0.84	0.38	98.6	99.0	0.35	25.0	25.3	—	85,658	85,658	3.19	3.51	2.00	86,785
Area	44.2	44.2	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	263	263	0.00	0.00	—	263
Water	—	—	—	—	—	—	—	—	—	—	—	79.7	1.89	81.5	8.17	0.19	—	344
Waste	—	—	—	—	—	—	—	—	—	—	—	3,201	0.00	3,201	320	0.00	—	11,199
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	848	848
Stationary	5.32	5.23	17.3	89.7	0.17	0.76	0.00	0.76	0.76	0.00	0.76	0.00	17,999	17,999	0.72	0.14	0.00	18,059
Total	88.5	85.5	44.4	385	1.01	1.14	98.6	99.7	1.11	25.0	26.1	3,281	103,922	107,202	332	3.84	850	117,497
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	37.0	34.3	24.5	278	0.81	0.36	92.8	93.2	0.34	23.5	23.9	—	82,867	82,867	2.92	3.24	31.9	83,938
Area	53.2	52.5	0.43	50.8	< 0.005	0.09	—	0.09	0.07	—	0.07	0.00	209	209	0.01	< 0.005	—	210
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	263	263	0.00	0.00	—	263
Water	—	—	—	—	—	—	—	—	—	—	—	79.7	1.89	81.5	8.17	0.19	—	344
Waste	—	—	—	—	—	—	—	—	—	—	—	3,201	0.00	3,201	320	0.00	—	11,199
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	848	848
Stationary	0.55	0.54	1.77	9.22	0.02	0.08	0.00	0.08	0.08	0.00	0.08	0.00	1,849	1,849	0.07	0.01	0.00	1,855
Total	90.8	87.3	26.7	338	0.83	0.53	92.8	93.3	0.48	23.5	24.0	3,281	85,190	88,471	331	3.45	880	98,656
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.75	6.26	4.46	50.7	0.15	0.07	16.9	17.0	0.06	4.30	4.36	—	13,720	13,720	0.48	0.54	5.28	13,897
Area	9.71	9.58	0.08	9.28	< 0.005	0.02	—	0.02	0.01	—	0.01	0.00	34.6	34.6	< 0.005	< 0.005	—	34.7
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	43.5	43.5	0.00	0.00	—	43.5

Water	—	—	—	—	—	—	—	—	—	—	—	13.2	0.31	13.5	1.35	0.03	—	56.9
Waste	—	—	—	—	—	—	—	—	—	—	—	530	0.00	530	53.0	0.00	—	1,854
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	140	140
Stationary	0.10	0.10	0.32	1.68	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	306	306	0.01	< 0.005	0.00	307
Total	16.6	15.9	4.87	61.7	0.15	0.10	16.9	17.0	0.09	4.30	4.38	543	14,104	14,647	54.8	0.57	146	16,334

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	40.0	37.2	23.1	322	0.90	0.38	98.6	99.0	0.35	25.0	25.3	—	91,174	91,174	2.87	3.19	77.0	92,274
Area	38.4	38.4	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	263	263	0.00	0.00	—	263
Water	—	—	—	—	—	—	—	—	—	—	—	79.7	1.89	81.5	8.17	0.19	—	344
Waste	—	—	—	—	—	—	—	—	—	—	—	3,201	0.00	3,201	320	0.00	—	11,199
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	848	848
Stationary	5.32	5.23	17.3	89.7	0.17	0.76	0.00	0.76	0.76	0.00	0.76	0.00	17,999	17,999	0.72	0.14	0.00	18,059
Total	83.7	80.8	40.4	412	1.06	1.14	98.6	99.7	1.11	25.0	26.1	3,281	109,438	112,718	332	3.53	925	122,986
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	39.0	36.1	27.1	295	0.84	0.38	98.6	99.0	0.35	25.0	25.3	—	85,658	85,658	3.19	3.51	2.00	86,785
Area	38.4	38.4	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	263	263	0.00	0.00	—	263
Water	—	—	—	—	—	—	—	—	—	—	—	79.7	1.89	81.5	8.17	0.19	—	344
Waste	—	—	—	—	—	—	—	—	—	—	—	3,201	0.00	3,201	320	0.00	—	11,199

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	848	848
Stationary	5.32	5.23	17.3	89.7	0.17	0.76	0.00	0.76	0.76	0.00	0.76	0.00	17,999	17,999	0.72	0.14	0.00	18,059
Total	82.7	79.7	44.4	385	1.01	1.14	98.6	99.7	1.11	25.0	26.1	3,281	103,922	107,202	332	3.84	850	117,497
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	37.0	34.3	24.5	278	0.81	0.36	92.8	93.2	0.34	23.5	23.9	—	82,867	82,867	2.92	3.24	31.9	83,938
Area	38.4	38.4	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	263	263	0.00	0.00	—	263
Water	—	—	—	—	—	—	—	—	—	—	—	79.7	1.89	81.5	8.17	0.19	—	344
Waste	—	—	—	—	—	—	—	—	—	—	—	3,201	0.00	3,201	320	0.00	—	11,199
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	848	848
Stationary	0.55	0.54	1.77	9.22	0.02	0.08	0.00	0.08	0.08	0.00	0.08	0.00	1,849	1,849	0.07	0.01	0.00	1,855
Total	75.9	73.2	26.2	287	0.83	0.44	92.8	93.3	0.42	23.5	24.0	3,281	84,981	88,262	331	3.45	880	98,446
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.75	6.26	4.46	50.7	0.15	0.07	16.9	17.0	0.06	4.30	4.36	—	13,720	13,720	0.48	0.54	5.28	13,897
Area	7.00	7.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	43.5	43.5	0.00	0.00	—	43.5
Water	—	—	—	—	—	—	—	—	—	—	—	13.2	0.31	13.5	1.35	0.03	—	56.9
Waste	—	—	—	—	—	—	—	—	—	—	—	530	0.00	530	53.0	0.00	—	1,854
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	140	140
Stationary	0.10	0.10	0.32	1.68	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	306	306	0.01	< 0.005	0.00	307
Total	13.9	13.4	4.79	52.4	0.15	0.08	16.9	17.0	0.08	4.30	4.37	543	14,070	14,613	54.8	0.57	146	16,299

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	263	263	0.00	0.00	—	263
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	263	263	0.00	0.00	—	263
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	263	263	0.00	0.00	—	263
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	263	263	0.00	0.00	—	263
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	43.5	43.5	0.00	0.00	—	43.5
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	43.5	43.5	0.00	0.00	—	43.5

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04	0.00	0.00	—	0.04
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	263	263	0.00	0.00	—	263
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03	0.00	0.00	—	0.03
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.08	0.08	0.00	0.00	—	0.08
Total	—	—	—	—	—	—	—	—	—	—	—	—	263	263	0.00	0.00	—	263
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	263	263	0.00	0.00	—	263
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	263	263	0.00	0.00	—	263
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	43.5	43.5	0.00	0.00	—	43.5

University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	43.5	43.5	0.00	0.00	—	43.5

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	39.0	39.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	5.21	5.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	18.4	16.9	0.87	103	0.01	0.18	—	0.18	0.14	—	0.14	—	424	424	0.02	< 0.005	—	425
Total	62.5	61.1	0.87	103	0.01	0.18	—	0.18	0.14	—	0.14	0.00	424	424	0.02	< 0.005	—	425
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	39.0	39.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.21	5.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	44.2	44.2	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	7.11	7.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.95	0.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.65	1.52	0.08	9.28	< 0.005	0.02	—	0.02	0.01	—	0.01	—	34.6	34.6	< 0.005	< 0.005	—	34.7
Total	9.71	9.58	0.08	9.28	< 0.005	0.02	—	0.02	0.01	—	0.01	0.00	34.6	34.6	< 0.005	< 0.005	—	34.7

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	36.0	36.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.32	2.32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	38.4	38.4	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	36.0	36.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.32	2.32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	38.4	38.4	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	6.58	6.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	0.42	0.42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	7.00	7.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	79.7	1.83	81.5	8.17	0.19	—	343
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.06	0.06	0.00	0.00	—	0.06
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclose Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	79.7	1.89	81.5	8.17	0.19	—	344
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	79.7	1.83	81.5	8.17	0.19	—	343
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.06	0.06	0.00	0.00	—	0.06
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	79.7	1.89	81.5	8.17	0.19	—	344
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	13.2	0.30	13.5	1.35	0.03	—	56.9
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.01	0.01	0.00	0.00	—	0.01
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	13.2	0.31	13.5	1.35	0.03	—	56.9

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	79.7	1.83	81.5	8.17	0.19	—	343
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.06	0.06	0.00	0.00	—	0.06
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	79.7	1.89	81.5	8.17	0.19	—	344
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	79.7	1.83	81.5	8.17	0.19	—	343

University/Colleg	—	—	—	—	—	—	—	—	—	—	—	0.00	0.06	0.06	0.00	0.00	—	0.06
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	79.7	1.89	81.5	8.17	0.19	—	344
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	13.2	0.30	13.5	1.35	0.03	—	56.9
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.01	0.01	0.00	0.00	—	0.01
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	13.2	0.31	13.5	1.35	0.03	—	56.9

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	3,201	0.00	3,201	320	0.00	—	11,199
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3,201	0.00	3,201	320	0.00	—	11,199
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	3,201	0.00	3,201	320	0.00	—	11,199
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3,201	0.00	3,201	320	0.00	—	11,199
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	530	0.00	530	53.0	0.00	—	1,854
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclose Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	530	0.00	530	53.0	0.00	—	1,854

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	3,201	0.00	3,201	320	0.00	—	11,199
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclose d	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3,201	0.00	3,201	320	0.00	—	11,199
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Researc h & Developm ent	—	—	—	—	—	—	—	—	—	—	—	3,201	0.00	3,201	320	0.00	—	11,199
Universit y/Colleg e (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3,201	0.00	3,201	320	0.00	—	11,199
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Research & Development	—	—	—	—	—	—	—	—	—	—	—	530	0.00	530	53.0	0.00	—	1,854
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	530	0.00	530	53.0	0.00	—	1,854

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	435	435
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	412	412
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.51	0.51
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23	0.23
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	848	848
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	435	435
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	412	412
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.51	0.51
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23	0.23
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	848	848
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	72.0	72.0
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	68.3	68.3
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08	0.08
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	140	140

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	435	435
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	412	412
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.51	0.51
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23	0.23
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	848	848
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	435	435
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	412	412
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.51	0.51
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23	0.23
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	848	848
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	72.0	72.0
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	68.3	68.3
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08	0.08
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	140	140

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	5.32	5.23	17.3	89.7	0.17	0.76	0.00	0.76	0.76	0.00	0.76	0.00	17,999	17,999	0.72	0.14	0.00	18,059
Total	5.32	5.23	17.3	89.7	0.17	0.76	0.00	0.76	0.76	0.00	0.76	0.00	17,999	17,999	0.72	0.14	0.00	18,059
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	5.32	5.23	17.3	89.7	0.17	0.76	0.00	0.76	0.76	0.00	0.76	0.00	17,999	17,999	0.72	0.14	0.00	18,059
Total	5.32	5.23	17.3	89.7	0.17	0.76	0.00	0.76	0.76	0.00	0.76	0.00	17,999	17,999	0.72	0.14	0.00	18,059
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.10	0.10	0.32	1.68	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	306	306	0.01	< 0.005	0.00	307
Total	0.10	0.10	0.32	1.68	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	306	306	0.01	< 0.005	0.00	307

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	5.32	5.23	17.3	89.7	0.17	0.76	0.00	0.76	0.76	0.00	0.76	0.00	17,999	17,999	0.72	0.14	0.00	18,059
Total	5.32	5.23	17.3	89.7	0.17	0.76	0.00	0.76	0.76	0.00	0.76	0.00	17,999	17,999	0.72	0.14	0.00	18,059

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	5.32	5.23	17.3	89.7	0.17	0.76	0.00	0.76	0.76	0.00	0.76	0.00	17,999	17,999	0.72	0.14	0.00	18,059
Total	5.32	5.23	17.3	89.7	0.17	0.76	0.00	0.76	0.76	0.00	0.76	0.00	17,999	17,999	0.72	0.14	0.00	18,059
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.10	0.10	0.32	1.68	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	306	306	0.01	< 0.005	0.00	307
Total	0.10	0.10	0.32	1.68	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	306	306	0.01	< 0.005	0.00	307

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	16,592	16,592	16,592	5,807,200	139,790	139,790	139,790	48,926,500

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	16,592	16,592	16,592	5,807,200	139,790	139,790	139,790	48,926,500

5.10. Operational Area Sources

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	2,732,744	910,305	3,659

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Office Park	0.00	1.79	0.0000	0.0000	0.00
Research & Development	53,660,000	1.79	0.0000	0.0000	0.00
University/College (4yr)	0.00	1.79	0.0000	0.0000	0.00
General Office Building	0.00	1.79	0.0000	0.0000	0.00
Regional Shopping Center	0.00	1.79	0.0000	0.0000	0.00
Hotel	0.00	1.79	0.0000	0.0000	0.00
Apartments Mid Rise	0.00	1.79	0.0000	0.0000	0.00
Enclosed Parking with Elevator	0.00	1.79	0.0000	0.0000	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Office Park	0.00	1.79	0.0000	0.0000	0.00
Research & Development	53,660,000	1.79	0.0000	0.0000	0.00
University/College (4yr)	0.00	1.79	0.0000	0.0000	0.00
General Office Building	0.00	1.79	0.0000	0.0000	0.00
Regional Shopping Center	0.00	1.79	0.0000	0.0000	0.00
Hotel	0.00	1.79	0.0000	0.0000	0.00
Apartments Mid Rise	0.00	1.79	0.0000	0.0000	0.00
Enclosed Parking with Elevator	0.00	1.79	0.0000	0.0000	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Office Park	0.00	0.00
Research & Development	41,566,900	21,400,000
University/College (4yr)	0.00	3,213,300
General Office Building	0.00	0.00
Regional Shopping Center	0.00	0.00
Hotel	0.00	0.00
Apartments Mid Rise	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)

Office Park	0.00	0.00
Research & Development	41,566,900	21,400,000
University/College (4yr)	0.00	3,213,300
General Office Building	0.00	0.00
Regional Shopping Center	0.00	0.00
Hotel	0.00	0.00
Apartments Mid Rise	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	0.00	—
Research & Development	5,939	—
University/College (4yr)	0.00	—
General Office Building	0.00	—
Regional Shopping Center	0.00	—
Hotel	0.00	—
Apartments Mid Rise	0.00	—
Enclosed Parking with Elevator	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	0.00	—
Research & Development	5,939	—
University/College (4yr)	0.00	—
General Office Building	0.00	—

Regional Shopping Center	0.00	—
Hotel	0.00	—
Apartments Mid Rise	0.00	—
Enclosed Parking with Elevator	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Research & Development	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

Office Park	Chillers	User Defined	630	19.7	1.00	1.00	20.0
Research & Development	Other commercial A/C and heat pumps	User Defined	466	6.98	1.00	1.00	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Research & Development	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Office Park	Chillers	User Defined	630	19.7	1.00	1.00	20.0
Research & Development	Other commercial A/C and heat pumps	User Defined	466	6.98	1.00	1.00	18.0

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	8.00	4.00	150	670	0.73

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	Project in urban environment
Land Use	Office acres include acres for office, R&D, and academic. Active use acres partially shared with R&D acres. No housing during Phase 1+2+3.
Construction: Construction Phases	Data provided by SKS
Construction: Off-Road Equipment	Data provided by SKS. Accounts for project design feature of Tier 4 engines (equipment greater than 25 HP).
Construction: Dust From Material Movement	Data provided by SKS. Accounts for CBP AIR-2.
Construction: Trips and VMT	Data provided by SKS. Defaults used where project-specific inputs not available.
Construction: Paving	Data provided by SKS
Construction: On-Road Fugitive Dust	Accounts for CBP AIR-2. Silt loading modified per BAAQMD CEQA Guidelines.
Construction: Architectural Coatings	Distributed coating square footages to phases based on buildings constructed in each phase.
Characteristics: Utility Information	Per PG&E's 2023 PCL adjusted to account for RPS. CO2 is CO2e.
Operations: Energy Use	Energy consumption value is for all project land uses (estimates by building type not available). Estimate provided by SKS and accounts for energy efficiency and renewable energy project design elements. No building natural gas consumption.
Operations: Water and Waste Water	Indoor and outdoor water consumption values are for all project land uses (estimates by building type not available). Indoor estimate modeled under R&D land use type. Outdoor water estimate modeled under University land use type. Outdoor intensity factors adjusted to account for use of reclaimed water (no supply). Estimates provided by SKS and account for water efficiency project design elements. Cooling tower water estimate modeled under R&D land use type (outdoor, not reclaimed).
Operations: Solid Waste	Waste generation value is for all project land uses (estimates by building type not available). Estimate provided by SKS and accounts for waste reduction project design elements.

Operations: Refrigerants	Refrigerant quantities for project-wide Centrifugal Chillers and Building A/C Heat Pumps provided by SKS and modeled under Office and R&D land use type. Default pumps from other land use types removed to avoid double counting. Defaults retained for building refrigerators and freezers.
Operations: Generators + Pumps EF	TOG/ROG, NOx, and PM emission factors revised for Tier 4 generator standards per Cal. Code Regs. Tit. 13, § 242 Generator Standards.
Operations: Emergency Generators and Fire Pumps	Data per SKS. 2-4 hr./mo. (testing) (50 annual hours); 100 hrs./year (emergency per BAAQMD) = 150 total annual hours per generator
Operations: Hearths	No hearth

A1.2.4 Full-Build Operations CalEEMod Output

The CalEEMod output presents model inputs and outputs for operation of the CEQA Proposed Project under full-build conditions (2040). These emissions would also occur under the CEQA Proposed Project WRF Option.

Note that the mitigated condition does not account for Mitigation Measure TRAN-1. Based on modeling from Fehr & Peers, the measure would achieve a 7.5 percent reduction in trips and VMT (Tan pers. comm. [A]). Accordingly, mobile-source emissions from CalEEMod were manually reduced by 7.5 percent to account for implementation of Mitigation Measure TRAN-1.

Neither total operation nor mobile-source emissions results in the CalEEMod output are adjusted to reflect the June 12, 2025, congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has developed off-model adjustment factors for NO_X, ROG, PM_{10}, and $PM_{2.5}$ that remove the estimated emissions benefits attributed to regulations. Emissions of these pollutants were separately quantified using the project-specific traffic data and emission factors from EMFAC2021 with the off-model adjustments per CARB's guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for mobile sources and the total operational emissions recalculated. Refer to Section A1.2.9 for the off-model calculations.

Moffett Alt 1 Operation Full Build Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Moffett Alt 1 Operation Full Build
Operational Year	2040
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	28.2
Location	37.40646021370499, -122.05214834788202
County	Santa Clara
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1702
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	350	1000sqft	12.7	350,000	0.00	0.00	—	—
Research & Development	1,390	1000sqft	0.00	1,390,000	0.00	0.00	—	—

University/College (4yr)	177	Student	0.00	260,000	0.00	0.00	—	—
General Office Building	25.0	1000sqft	1.10	25,000	0.00	0.00	—	—
Regional Shopping Center	90.0	1000sqft	0.60	90,000	0.00	0.00	—	—
Hotel	100	Room	0.00	75,000	0.00	0.00	—	—
Apartments Mid Rise	145	Dwelling Unit	0.00	130,000	0.00	0.00	0.00	—
Enclosed Parking with Elevator	1,080	1000sqft	2.80	1,080,000	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Area Sources	AS-1	Use Low-VOC Cleaning Supplies
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment
Area Sources	AS-2	Use Low-VOC Paints

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	138	132	54.2	675	1.36	1.82	124	125	1.73	31.3	33.0	4,086	139,708	143,794	413	4.35	1,137	156,556
Mit.	104	101	52.9	525	1.35	1.56	124	125	1.53	31.3	32.9	4,086	139,102	143,188	413	4.34	1,137	155,948
% Reduced	24%	24%	2%	22%	1%	14%	—	< 0.5%	11%	—	1%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	110	107	57.6	491	1.28	1.56	124	125	1.53	31.3	32.9	4,086	132,295	136,381	413	4.73	1,081	149,208
Mit.	103	99.7	57.6	491	1.28	1.56	124	125	1.53	31.3	32.9	4,086	132,295	136,381	413	4.73	1,081	149,208
% Reduced	7%	7%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	114	110	31.9	424	1.03	0.65	116	117	0.59	29.5	30.1	4,086	104,957	109,043	412	4.22	1,103	121,708
Mit.	93.6	90.4	31.3	350	1.02	0.52	116	117	0.50	29.5	30.0	4,086	104,658	108,744	412	4.21	1,103	121,408
% Reduced	18%	17%	2%	17%	< 0.5%	19%	—	< 0.5%	16%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	20.7	20.0	5.82	77.4	0.19	0.12	21.2	21.3	0.11	5.38	5.49	676	17,377	18,053	68.2	0.70	183	20,150
Mit.	17.1	16.5	5.70	63.9	0.19	0.10	21.2	21.3	0.09	5.38	5.47	676	17,327	18,004	68.2	0.70	183	20,101
% Reduced	18%	17%	2%	17%	< 0.5%	19%	—	< 0.5%	16%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	47.0	43.8	27.1	390	1.10	0.42	124	124	0.40	31.3	31.7	—	111,769	111,769	3.37	3.84	57.1	113,055
Area	82.5	80.5	1.27	150	0.01	0.26	—	0.26	0.19	—	0.19	0.00	607	607	0.03	0.01	—	609
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	331	331	0.00	0.00	—	331
Water	—	—	—	—	—	—	—	—	—	—	—	119	2.68	122	12.2	0.29	—	515
Waste	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,080	1,080
Stationary	7.97	7.85	25.9	135	0.25	1.14	0.00	1.14	1.14	0.00	1.14	0.00	26,999	26,999	1.08	0.21	0.00	27,089
Total	138	132	54.2	675	1.36	1.82	124	125	1.73	31.3	33.0	4,086	139,708	143,794	413	4.35	1,137	156,556
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	46.0	42.6	31.8	356	1.03	0.42	124	124	0.40	31.3	31.7	—	104,962	104,962	3.72	4.22	1.48	106,316
Area	56.4	56.4	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	331	331	0.00	0.00	—	331
Water	—	—	—	—	—	—	—	—	—	—	—	119	2.68	122	12.2	0.29	—	515
Waste	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,080	1,080
Stationary	7.97	7.85	25.9	135	0.25	1.14	0.00	1.14	1.14	0.00	1.14	0.00	26,999	26,999	1.08	0.21	0.00	27,089
Total	110	107	57.6	491	1.28	1.56	124	125	1.53	31.3	32.9	4,086	132,295	136,381	413	4.73	1,081	149,208
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	43.6	40.4	28.6	336	1.00	0.41	116	117	0.38	29.5	29.9	—	101,550	101,550	3.42	3.90	23.6	102,821
Area	69.3	68.3	0.63	74.2	< 0.005	0.13	—	0.13	0.10	—	0.10	0.00	299	299	0.01	< 0.005	—	300
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	331	331	0.00	0.00	—	331
Water	—	—	—	—	—	—	—	—	—	—	—	119	2.68	122	12.2	0.29	—	515
Waste	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,080	1,080
Stationary	0.82	0.81	2.66	13.8	0.03	0.12	0.00	0.12	0.12	0.00	0.12	0.00	2,774	2,774	0.11	0.02	0.00	2,783
Total	114	110	31.9	424	1.03	0.65	116	117	0.59	29.5	30.1	4,086	104,957	109,043	412	4.22	1,103	121,708
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.95	7.37	5.22	61.3	0.18	0.07	21.2	21.3	0.07	5.38	5.45	—	16,813	16,813	0.57	0.65	3.91	17,023
Area	12.6	12.5	0.11	13.5	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	49.5	49.5	< 0.005	< 0.005	—	49.7
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	54.8	54.8	0.00	0.00	—	54.8

Water	—	—	—	—	—	—	—	—	—	—	—	19.8	0.44	20.2	2.03	0.05	—	85.2
Waste	—	—	—	—	—	—	—	—	—	—	—	657	0.00	657	65.6	0.00	—	2,298
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	179	179
Stationary	0.15	0.15	0.49	2.52	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	459	459	0.02	< 0.005	0.00	461
Total	20.7	20.0	5.82	77.4	0.19	0.12	21.2	21.3	0.11	5.38	5.49	676	17,377	18,053	68.2	0.70	183	20,150

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	47.0	43.8	27.1	390	1.10	0.42	124	124	0.40	31.3	31.7	—	111,769	111,769	3.37	3.84	57.1	113,055
Area	49.2	49.2	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	331	331	0.00	0.00	—	331
Water	—	—	—	—	—	—	—	—	—	—	—	119	2.68	122	12.2	0.29	—	515
Waste	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,080	1,080
Stationary	7.97	7.85	25.9	135	0.25	1.14	0.00	1.14	1.14	0.00	1.14	0.00	26,999	26,999	1.08	0.21	0.00	27,089
Total	104	101	52.9	525	1.35	1.56	124	125	1.53	31.3	32.9	4,086	139,102	143,188	413	4.34	1,137	155,948
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	46.0	42.6	31.8	356	1.03	0.42	124	124	0.40	31.3	31.7	—	104,962	104,962	3.72	4.22	1.48	106,316
Area	49.2	49.2	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	331	331	0.00	0.00	—	331
Water	—	—	—	—	—	—	—	—	—	—	—	119	2.68	122	12.2	0.29	—	515
Waste	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,080	1,080
Stationary	7.97	7.85	25.9	135	0.25	1.14	0.00	1.14	1.14	0.00	1.14	0.00	26,999	26,999	1.08	0.21	0.00	27,089
Total	103	99.7	57.6	491	1.28	1.56	124	125	1.53	31.3	32.9	4,086	132,295	136,381	413	4.73	1,081	149,208
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	43.6	40.4	28.6	336	1.00	0.41	116	117	0.38	29.5	29.9	—	101,550	101,550	3.42	3.90	23.6	102,821
Area	49.2	49.2	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	331	331	0.00	0.00	—	331
Water	—	—	—	—	—	—	—	—	—	—	—	119	2.68	122	12.2	0.29	—	515
Waste	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,080	1,080
Stationary	0.82	0.81	2.66	13.8	0.03	0.12	0.00	0.12	0.12	0.00	0.12	0.00	2,774	2,774	0.11	0.02	0.00	2,783
Total	93.6	90.4	31.3	350	1.02	0.52	116	117	0.50	29.5	30.0	4,086	104,658	108,744	412	4.21	1,103	121,408
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.95	7.37	5.22	61.3	0.18	0.07	21.2	21.3	0.07	5.38	5.45	—	16,813	16,813	0.57	0.65	3.91	17,023
Area	8.99	8.99	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	54.8	54.8	0.00	0.00	—	54.8
Water	—	—	—	—	—	—	—	—	—	—	—	19.8	0.44	20.2	2.03	0.05	—	85.2
Waste	—	—	—	—	—	—	—	—	—	—	—	657	0.00	657	65.6	0.00	—	2,298
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	179	179
Stationary	0.15	0.15	0.49	2.52	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	459	459	0.02	< 0.005	0.00	461
Total	17.1	16.5	5.70	63.9	0.19	0.10	21.2	21.3	0.09	5.38	5.47	676	17,327	18,004	68.2	0.70	183	20,101

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	331	331	0.00	0.00	—	331
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	331	331	0.00	0.00	—	331
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	331	331	0.00	0.00	—	331
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	331	331	0.00	0.00	—	331
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	54.8	54.8	0.00	0.00	—	54.8
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	54.8	54.8	0.00	0.00	—	54.8

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05	0.00	0.00	—	0.05
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	331	331	0.00	0.00	—	331
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04	0.00	0.00	—	0.04
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02	0.00	0.00	—	0.02
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.15	0.15	0.00	0.00	—	0.15
Total	—	—	—	—	—	—	—	—	—	—	—	—	331	331	0.00	0.00	—	331
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	331	331	0.00	0.00	—	331
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	331	331	0.00	0.00	—	331
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	54.8	54.8	0.00	0.00	—	54.8

University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	54.8	54.8	0.00	0.00	—	54.8

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	49.7	49.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	6.78	6.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	26.1	24.1	1.27	150	0.01	0.26	—	0.26	0.19	—	0.19	—	607	607	0.03	0.01	—	609
Total	82.5	80.5	1.27	150	0.01	0.26	—	0.26	0.19	—	0.19	0.00	607	607	0.03	0.01	—	609
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	49.7	49.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	6.78	6.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	56.4	56.4	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	9.06	9.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.24	1.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.35	2.17	0.11	13.5	< 0.005	0.02	—	0.02	0.02	—	0.02	—	49.5	49.5	< 0.005	< 0.005	—	49.7
Total	12.6	12.5	0.11	13.5	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	49.5	49.5	< 0.005	< 0.005	—	49.7

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	45.9	45.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	3.30	3.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	49.2	49.2	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	45.9	45.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	3.30	3.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	49.2	49.2	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	8.39	8.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	0.60	0.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	8.99	8.99	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	119	2.61	122	12.2	0.29	—	515
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.08	0.08	0.00	0.00	—	0.08
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclose Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	119	2.68	122	12.2	0.29	—	515
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	119	2.61	122	12.2	0.29	—	515
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.08	0.08	0.00	0.00	—	0.08
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	119	2.68	122	12.2	0.29	—	515
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	19.8	0.43	20.2	2.03	0.05	—	85.2
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.01	0.01	0.00	0.00	—	0.01
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	19.8	0.44	20.2	2.03	0.05	—	85.2

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	119	2.61	122	12.2	0.29	—	515
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.08	0.08	0.00	0.00	—	0.08
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	119	2.68	122	12.2	0.29	—	515
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	119	2.61	122	12.2	0.29	—	515

University/Colleg	—	—	—	—	—	—	—	—	—	—	—	0.00	0.08	0.08	0.00	0.00	—	0.08
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	119	2.68	122	12.2	0.29	—	515
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Developm	— ent	—	—	—	—	—	—	—	—	—	—	19.8	0.43	20.2	2.03	0.05	—	85.2
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.01	0.01	0.00	0.00	—	0.01
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	19.8	0.44	20.2	2.03	0.05	—	85.2

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

General Office Building	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	657	0.00	657	65.6	0.00	—	2,298
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclose Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	657	0.00	657	65.6	0.00	—	2,298

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclose d	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Researc h & Developm ent	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Universit y/Colleg e (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	657	0.00	657	65.6	0.00	—	2,298
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	657	0.00	657	65.6	0.00	—	2,298

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	554	554
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	524	524
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.60	0.60
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.78	0.78
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,080	1,080
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	554	554
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	524	524
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.60	0.60

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.78	0.78
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,080	1,080
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	91.7	91.7
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	86.8	86.8
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13	0.13
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	179	179

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	554	554
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	524	524
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.60	0.60
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.78	0.78
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,080	1,080
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	554	554

Research	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	524	524
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.60	0.60
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.78	0.78
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,080	1,080
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	91.7	91.7
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	86.8	86.8
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05

Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13	0.13
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	179	179

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	7.97	7.85	25.9	135	0.25	1.14	0.00	1.14	1.14	0.00	1.14	0.00	26,999	26,999	1.08	0.21	0.00	27,089
Total	7.97	7.85	25.9	135	0.25	1.14	0.00	1.14	1.14	0.00	1.14	0.00	26,999	26,999	1.08	0.21	0.00	27,089
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	7.97	7.85	25.9	135	0.25	1.14	0.00	1.14	1.14	0.00	1.14	0.00	26,999	26,999	1.08	0.21	0.00	27,089
Total	7.97	7.85	25.9	135	0.25	1.14	0.00	1.14	1.14	0.00	1.14	0.00	26,999	26,999	1.08	0.21	0.00	27,089
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.15	0.15	0.49	2.52	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	459	459	0.02	< 0.005	0.00	461
Total	0.15	0.15	0.49	2.52	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	459	459	0.02	< 0.005	0.00	461

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	7.97	7.85	25.9	135	0.25	1.14	0.00	1.14	1.14	0.00	1.14	0.00	26,999	26,999	1.08	0.21	0.00	27,089
Total	7.97	7.85	25.9	135	0.25	1.14	0.00	1.14	1.14	0.00	1.14	0.00	26,999	26,999	1.08	0.21	0.00	27,089
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	7.97	7.85	25.9	135	0.25	1.14	0.00	1.14	1.14	0.00	1.14	0.00	26,999	26,999	1.08	0.21	0.00	27,089
Total	7.97	7.85	25.9	135	0.25	1.14	0.00	1.14	1.14	0.00	1.14	0.00	26,999	26,999	1.08	0.21	0.00	27,089
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.15	0.15	0.49	2.52	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	459	459	0.02	< 0.005	0.00	461
Total	0.15	0.15	0.49	2.52	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	459	459	0.02	< 0.005	0.00	461

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	20,797	20,797	20,797	7,278,950	175,220	175,220	175,220	61,327,000

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	20,797	20,797	20,797	7,278,950	175,220	175,220	175,220	61,327,000

5.10. Operational Area Sources

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
263250	87,750	3,290,489	1,095,610	7,318

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Office Park	0.00	1.79	0.0000	0.0000	0.00
Research & Development	67,631,000	1.79	0.0000	0.0000	0.00
University/College (4yr)	0.00	1.79	0.0000	0.0000	0.00
General Office Building	0.00	1.79	0.0000	0.0000	0.00
Regional Shopping Center	0.00	1.79	0.0000	0.0000	0.00
Hotel	0.00	1.79	0.0000	0.0000	0.00
Apartments Mid Rise	0.00	1.79	0.0000	0.0000	0.00
Enclosed Parking with Elevator	0.00	1.79	0.0000	0.0000	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Office Park	0.00	1.79	0.0000	0.0000	0.00
Research & Development	67,631,000	1.79	0.0000	0.0000	0.00
University/College (4yr)	0.00	1.79	0.0000	0.0000	0.00
General Office Building	0.00	1.79	0.0000	0.0000	0.00
Regional Shopping Center	0.00	1.79	0.0000	0.0000	0.00
Hotel	0.00	1.79	0.0000	0.0000	0.00
Apartments Mid Rise	0.00	1.79	0.0000	0.0000	0.00
Enclosed Parking with Elevator	0.00	1.79	0.0000	0.0000	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)

Office Park	0.00	0.00
Research & Development	62,306,700	26,200,000
University/College (4yr)	0.00	4,102,600
General Office Building	0.00	0.00
Regional Shopping Center	0.00	0.00
Hotel	0.00	0.00
Apartments Mid Rise	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Office Park	0.00	0.00
Research & Development	62,306,700	26,200,000
University/College (4yr)	0.00	4,102,600
General Office Building	0.00	0.00
Regional Shopping Center	0.00	0.00
Hotel	0.00	0.00
Apartments Mid Rise	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	0.00	—
Research & Development	0.00	—
University/College (4yr)	0.00	—
General Office Building	7,360	—

Regional Shopping Center	0.00	—
Hotel	0.00	—
Apartments Mid Rise	0.00	—
Enclosed Parking with Elevator	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	0.00	—
Research & Development	0.00	—
University/College (4yr)	0.00	—
General Office Building	7,360	—
Regional Shopping Center	0.00	—
Hotel	0.00	—
Apartments Mid Rise	0.00	—
Enclosed Parking with Elevator	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Research & Development	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00

University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Office Park	Chillers	User Defined	630	20.8	1.00	1.00	20.0
Research & Development	Other commercial A/C and heat pumps	User Defined	466	7.30	1.00	1.00	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Research & Development	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00

University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Office Park	Chillers	User Defined	630	20.8	1.00	1.00	20.0
Research & Development	Other commercial A/C and heat pumps	User Defined	466	7.30	1.00	1.00	18.0

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	12.0	4.00	150	670	0.73

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	Project in urban environment

Land Use	Office acres include acres for office, R&D, and academic. Active use acres partially shared with R&D acres.
Construction: Construction Phases	Data provided by SKS
Construction: Off-Road Equipment	Data provided by SKS. Accounts for project design feature of Tier 4 engines (equipment greater than 25 HP).
Construction: Dust From Material Movement	Data provided by SKS. Accounts for CBP AIR-2.
Construction: Trips and VMT	Data provided by SKS. Defaults used where project-specific inputs not available.
Construction: Paving	Data provided by SKS
Construction: On-Road Fugitive Dust	Accounts for CBP AIR-2. Silt loading modified per BAAQMD CEQA Guidelines.
Construction: Architectural Coatings	Distributed coating square footages to phases based on buildings constructed in each phase.
Characteristics: Utility Information	Per PG&E's 2023 PCL adjusted to account for RPS. CO2 is CO2e.
Operations: Energy Use	Energy consumption value is for all project land uses (estimates by building type not available). Estimate provided by SKS and accounts for energy efficiency and renewable energy project design elements. No building natural gas consumption.
Operations: Water and Waste Water	Indoor and outdoor water consumption values are for all project land uses (estimates by building type not available). Indoor estimate modeled under R&D land use type. Outdoor water estimate modeled under University land use type. Outdoor intensity factors adjusted to account for use of reclaimed water (no supply). Estimates provided by SKS and account for water efficiency project design elements. Cooling tower water estimate modeled under R&D land use type (outdoor, not reclaimed).
Operations: Solid Waste	Waste generation value is for all project land uses (estimates by building type not available). Estimate provided by SKS and accounts for waste reduction project design elements.
Operations: Refrigerants	Refrigerant quantities for project-wide Centrifugal Chillers and Building A/C Heat Pumps provided by SKS and modeled under Office and R&D land use type. Default pumps from other land use types removed to avoid double counting. Defaults retained for building refrigerators and freezers.
Operations: Generators + Pumps EF	TOG/ROG, NOx, and PM emission factors revised for Tier 4 generator standards per Cal. Code Regs. Tit. 13, § 242 Generator Standards.
Operations: Emergency Generators and Fire Pumps	Data per SKS. 2-4 hr./mo. (testing) (50 annual hours); 100 hrs./year (emergency per BAAQMD) = 150 total annual hours per generator
Operations: Hearths	No hearth

A1.2.5 Cooling Tower Emissions Calculations

Quantification of particulate matter (PM_{10} and $PM_{2.5}$) emissions from the cooling towers was based on the expected operating characteristics of towers, as provided by the Project Proponent, and guidance from the Air District. This section presents the analysis equation, inputs, and resulting emissions for the CEQA Proposed Project, which assumes operation of 12 cooling towers. These same towers would also operate under the CEQA Proposed Project WRF Option, the CEQA Reduced Density Alternative, and the Variant. Thus, PM_{10} and $PM_{2.5}$ emissions quantified for the CEQA Proposed Project would be the same for these analysis conditions. Eight cooling towers would operate under the CEQA Proposed Project CUP Option. This section also includes emissions quantified for this option.

Equation

PM10 Emissions = (capacity) x (Concentration ratio) x (cooling water TDS) x (drift loss) x (density of water) x (operating hours)

Source: BAAQMD 2021:193

Inputs

Metric	Value	Citation
Type of cooling tower	Induced Draft	Project Sponsor
Maximum flow rate (gal per min)	11,867	Project Sponsor
Source of water*	CMV	Project Design Guidelines, Appendix A-2 page 224-227
Total dissolved solids (ppm)	800	Project Design Guidelines, Appendix A-2 page 224-227
Maximum drift (percent)	0.001%	Project Sponsor
Desnity of water (lb/gal)	8.34	BAAQMD 2021:193
Annual operating hours	8760	Project Sponsor
PM10 concentration	100.0%	BAAQMD 2021:193
PM2.5 concentration	100.0%	BAAQMD 2021:193

*Onsite groundwater may be used, but is uncertain. City of Mountain View (CMV) has planned upgrades that would lower TDS to 500 ppm. Analysis is conservatively applying the current TDS value for CMV.

Land Use Data (number of towers)

Phase	Alt 1	Alt 1 WRF	Alt 1 CUP	Alt 1 Variant	Alt 2	Alt 2 Variant
1	2	2	0	2	2	2
2	5	5	0	5	5	5
3	2	2	4	2	2	2
4	3	3	4	3	3	3

PM Emissions per Tower

PM10 emissions per tower	0.208	tpy per tower
PM2.5 emissions per tower	0.208	tpy per tower

PM10 Emissions

		tpy	tpy	tpy	tpy	tpy	tpy
Year	Op Phases	Alt 1	Alt 1 WRF	Alt 1 CUP	Alt 1 Variant	Alt 2	Alt 2 Variant
2031	1	0.42	0.42	0.00	0.42	0.42	0.42
2032	1	0.42	0.42	0.00	0.42	0.42	0.42
2033	1	0.42	0.42	0.00	0.42	0.42	0.42
2034	1, 2	1.46	1.46	0.00	1.46	1.46	1.46

2035	1, 2	1.46	1.46	0.00	1.46	1.46	1.46
2036	1, 2	1.46	1.46	0.00	1.46	1.46	1.46
2037	1, 2, 3	1.87	1.87	0.83	1.87	1.87	1.87
2038	1, 2, 3	1.87	1.87	0.83	1.87	1.87	1.87
2039	1, 2, 3	1.87	1.87	0.83	1.87	1.87	1.87
2040	1, 2, 3, 4	2.50	2.50	1.66	2.50	2.50	2.50

PM2.5 Emissions

		tpy	tpy	tpy	tpy	tpy	tpy
Year	Op Phases	Alt 1	Alt 1 WRF	Alt 1 CUP	Alt 1 Variant	Alt 2	Alt 2 Variant
2031	1	0.42	0.42	0.00	0.42	0.42	0.42
2032	1	0.42	0.42	0.00	0.42	0.42	0.42
2033	1	0.42	0.42	0.00	0.42	0.42	0.42
2034	1, 2	1.46	1.46	0.00	1.46	1.46	1.46
2035	1, 2	1.46	1.46	0.00	1.46	1.46	1.46
2036	1, 2	1.46	1.46	0.00	1.46	1.46	1.46
2037	1, 2, 3	1.87	1.87	0.83	1.87	1.87	1.87
2038	1, 2, 3	1.87	1.87	0.83	1.87	1.87	1.87
2039	1, 2, 3	1.87	1.87	0.83	1.87	1.87	1.87
2040	1, 2, 3, 4	2.50	2.50	1.66	2.50	2.50	2.50

A1.2.6 Laboratory Emissions Calculations

Evaporative volatile organic compound (VOC) emissions associated with new research were estimated using emission factors developed for the UC Berkeley LRDP EIR and the square footage of new wet lab space. This section presents the emission factors, inputs, and resulting emissions for the CEQA Proposed Project, which assumes 208,500 square feet of wet lab space. Lab space would not differ under the CEQA Proposed Project with either utility option. Thus, VOC emissions quantified for the CEQA Proposed Project would be the same for these options. Lab space would differ under the CEQA Reduced Density Alternative with the Variant. This section also includes emissions quantified for these conditions.

Emission Factors

Pollutant	g/s/sf Type 1	g/s/sf Type II	g/s/sf Type III	g/s/sf Max (of all types)
Benzene	2.25E-09	1.05E-10	7.32E-11	2.25E-09
Carbon tetrachloride	2.01E-10	6.18E-10	4.81E-10	6.18E-10
Chloroform	2.73E-08	8.27E-09	9.80E-10	2.73E-08
Dimethyl formamide	5.50E-10	3.11E-10	3.32E-12	5.50E-10
Dioxane, 1,4-	2.61E-09	1.97E-10	2.28E-11	2.61E-09
Epichlorohydrin	2.46E-11	3.22E-13	0.00E+00	2.46E-11
Formaldehyde	9.35E-11	7.77E-09	9.83E-10	7.77E-09
Glutaraldehyde	4.00E-11	2.44E-10	9.41E-11	2.44E-10
n-Hexane	1.75E-10	4.21E-10	8.07E-10	8.07E-10
Hydrazine	1.19E-11	6.77E-12	5.87E-13	1.19E-11
Hydrogen chloride (HCL)	9.45E-10	2.00E-08	8.54E-09	2.00E-08
Hydrogen fluoride (HF)	3.20E-12	1.51E-10	1.79E-09	1.79E-09
Isopropyl alcohol (IPA)	3.68E-09	2.52E-08	1.75E-08	2.52E-08
Methanol	1.16E-07	8.95E-08	4.39E-08	1.16E-07
Methyl bromide	2.91E-10	6.26E-08	0.00E+00	6.26E-08
Methylene chloride (DCM)	1.07E-07	1.24E-09	2.84E-10	1.07E-07
Phosgene	7.74E-11	0.00E+00	0.00E+00	7.74E-11
Tetrachloroethylene (Perc)	9.83E-11	5.74E-12	4.90E-11	9.83E-11
Toluene	7.73E-09	7.75E-10	4.11E-10	7.73E-09
Trichloroethane (1,1,1-)	2.12E-11	2.37E-11	1.37E-09	1.37E-09
Trichloroethylene (TCE)	0.00E+00	6.25E-11	3.91E-10	3.91E-10
Triethylamine	6.54E-10	1.32E-10	0.00E+00	6.54E-10
Xylenes	2.70E-10	1.54E-09	8.42E-10	1.54E-09
Source: UC Berkely 2021:D-38				3.87E-07

Land Use Data

Phase	Alt 1	Alt 1 WRF	Alt 1 CUP	Alt 1 Variant	Alt 2	Alt 2 Variant
R&D Square Feet						
1	445,000	445,000	445,000	445,000	225,000	225,000
2	445,000	445,000	445,000	445,000	225,000	225,000
3	250,000	250,000	250,000	250,000	145,000	145,000
4	250,000	250,000	250,000	340,000	155,000	245,000
Wet Lab Square Feet (15% of total)						
1	66,750	66,750	66,750	66,750	33,750	33,750
2	66,750	66,750	66,750	66,750	33,750	33,750
3	37,500	37,500	37,500	37,500	21,750	21,750
4	37,500	37,500	37,500	51,000	23,250	36,750

Emissions

Year	Op Phases	tpy Alt 1	tpy Alt 1 WRF	tpy Alt 1 CUP	tpy Alt 1 Variant	tpy Alt 2	tpy Alt 2 Variant
2031	1	0.45	0.45	0.45	0.45	0.23	0.23
2032	1	0.45	0.45	0.45	0.45	0.23	0.23
2033	1	0.45	0.45	0.45	0.45	0.23	0.23
2034	1, 2	0.90	0.90	0.90	0.90	0.45	0.45
2035	1, 2	0.90	0.90	0.90	0.90	0.45	0.45
2036	1, 2	0.90	0.90	0.90	0.90	0.45	0.45
2037	1, 2, 3	1.15	1.15	1.15	1.15	0.60	0.60
2038	1, 2, 3	1.15	1.15	1.15	1.15	0.60	0.60
2039	1, 2, 3	1.15	1.15	1.15	1.15	0.60	0.60
2040	1, 2, 3, 4	1.40	1.40	1.40	1.49	0.76	0.85

A1.2.7 i-Tree Planting Output (removed trees)

The i-Tree Planting Calculator (i-Tree) presents the model inputs (i.e., tree inventory) and outputs for trees removed by the project. The same number of trees would be removed under all analysis conditions (i.e., CEQA Proposed Project, CEQA Reduced Density Alternative, the CEQA Proposed Project with either utility option, the CEQA Reduced Density Alternative, and the Variant).

i-Tree Planting Report

i-Tree Benefits and Tree Growth Forecast

Location: Mountain View, California 94041
Total number of trees planted in this project: 227
Electricity Emissions Factor: 0.00 kilograms CO2 equivalent/MWh
Fuel Emissions Factor: 0.00 kilograms CO2 equivalent/MMBtu
Lifetime: 40 years
Annual Tree Mortality: 3%

All amounts in the tables are for the full lifetime of the project.

Location			CO_2 (Carbon Dioxide) Benefits			
Group Identifier	Tree Group Characteristics	Initial Number of Trees	CO_2 (Carbon Dioxide) Avoided (pounds)	CO_2 Avoided ($)	CO_2 Sequestered (pounds)	CO_2 Sequestered ($)
1	• 1 Tropical Almond spp(Terminalia) tree of 9 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	9,261.1	$546.48
2	• 1 Tropical Almond spp(Terminalia) tree of 18 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in poor condition and planted in full sun.	1	0.0	$0.00	8,892.2	$524.71
3	• 1 Northern white cedar(Thuja occidentalis) tree of 11 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	3,575.5	$210.99
4	• 3 Northern white cedar(Thuja occidentalis) trees of 7 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	3	0.0	$0.00	8,500.2	$501.58
5	• 2 Northern white cedar(Thuja occidentalis) trees of 8 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	2	0.0	$0.00	6,073.2	$358.37
6	• 1 Arizona cypress(Cupressus arizonica) tree of 25 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	5,411.3	$319.31
7	• 1 Arizona cypress(Cupressus arizonica) tree of 19 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	6,700.3	$395.37

Location			CO_2 (Carbon Dioxide) Benefits			
Group Identifier	Tree Group Characteristics	Initial Number of Trees	CO_2 (Carbon Dioxide) Avoided (pounds)	CO_2 Avoided ($)	CO_2 Sequestered (pounds)	CO_2 Sequestered ($)
8	• 1 Blue atlas cedar(Cedrus atlantica v. glauca) tree of 24 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	1	0.0	$0.00	10,155.2	$599.24
9	• 1 Blue atlas cedar(Cedrus atlantica v. glauca) tree of 24 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	9,664.2	$570.27
10	• 1 Blue atlas cedar(Cedrus atlantica v. glauca) tree of 31 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	10,034.9	$592.14
11	• 1 Paperbark(Melaleuca minutifolia) tree of 35 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	738.5	$43.58
12	• 1 Paperbark(Melaleuca minutifolia) tree of 16 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	1,861.3	$109.83
13	• 2 Canary island pine(Pinus canariensis) trees of 16 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	2	0.0	$0.00	11,418.1	$673.76
14	• 1 Canary island pine(Pinus canariensis) tree of 18 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	6,310.6	$372.38

Location			CO_2 (Carbon Dioxide) Benefits			
Group Identifier	Tree Group Characteristics	Initial Number of Trees	CO_2 (Carbon Dioxide) Avoided (pounds)	CO_2 Avoided ($)	CO_2 Sequestered (pounds)	CO_2 Sequestered ($)
15	• 2 Canary island pine(Pinus canariensis) trees of 20 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	2	0.0	$0.00	13,834.7	$816.36
16	• 2 Canary island pine(Pinus canariensis) trees of 22 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	2	0.0	$0.00	14,990.3	$884.55
17	• 1 Canary island pine(Pinus canariensis) tree of 23 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	7,759.8	$457.89
18	• 2 Canary island pine(Pinus canariensis) trees of 25 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	2	0.0	$0.00	16,455.3	$971.00
19	• 1 Canary island pine(Pinus canariensis) tree of 27 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	8,600.0	$507.47
20	• 1 Canary island pine(Pinus canariensis) tree of 30 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	8,969.5	$529.27
21	• 1 Canary island pine(Pinus canariensis) tree of 31 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	9,022.0	$532.37

Location			CO_2 (Carbon Dioxide) Benefits			
Group Identifier	Tree Group Characteristics	Initial Number of Trees	CO_2 (Carbon Dioxide) Avoided (pounds)	CO_2 Avoided ($)	CO_2 Sequestered (pounds)	CO_2 Sequestered ($)
22	• 1 Canary island pine(Pinus canariensis) tree of 36 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	8,607.2	$507.89
23	• 1 Carob(Ceratonia siliqua) tree of 24 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	231.5	$13.66
24	• 1 Carob(Ceratonia siliqua) tree of 33 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	368.4	$21.74
25	• 1 Carob(Ceratonia siliqua) tree of 15 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	0.0	$0.00	1,157.6	$68.31
26	• 1 Carob(Ceratonia siliqua) tree of 23 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	0.0	$0.00	187.0	$11.03
27	• 1 Cherry plum(Prunus cerasifera) tree of 12 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	0.0	$0.00	2,684.0	$158.38
28	• 1 Cherry plum(Prunus cerasifera) tree of 15 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	0.0	$0.00	1,747.9	$103.14

Location			CO_2 (Carbon Dioxide) Benefits			
Group Identifier	Tree Group Characteristics	Initial Number of Trees	CO_2 (Carbon Dioxide) Avoided (pounds)	CO_2 Avoided ($)	CO_2 Sequestered (pounds)	CO_2 Sequestered ($)
29	• 1 Chinese pistache(Pistacia chinensis) tree of 13 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	9,690.4	$571.81
30	• 1 Chinese pistache(Pistacia chinensis) tree of 14 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	9,912.2	$584.90
31	• 1 Coast redwood(Sequoia sempervirens) tree of 16 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	8,498.1	$501.46
32	• 1 Coast redwood(Sequoia sempervirens) tree of 22 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	9,542.2	$563.07
33	• 1 Coast redwood(Sequoia sempervirens) tree of 23 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	0.0	$0.00	8,420.0	$496.85
34	• 1 Coast redwood(Sequoia sempervirens) tree of 25 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	9,746.3	$575.12
35	• 1 Coast redwood(Sequoia sempervirens) tree of 32 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	9,345.4	$551.46

Location			CO_2 (Carbon Dioxide) Benefits			
Group Identifier	Tree Group Characteristics	Initial Number of Trees	CO_2 (Carbon Dioxide) Avoided (pounds)	CO_2 Avoided ($)	CO_2 Sequestered (pounds)	CO_2 Sequestered ($)
36	• 1 Coast redwood(Sequoia sempervirens) tree of 34 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	9,003.9	$531.31
37	• 1 Coast redwood(Sequoia sempervirens) tree of 38 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	7,911.2	$466.82
38	• 1 Coast redwood(Sequoia sempervirens) tree of 15 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	0.0	$0.00	6,889.6	$406.55
39	• 1 Coast redwood(Sequoia sempervirens) tree of 19 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	9,101.3	$537.05
40	• 1 Coast redwood(Sequoia sempervirens) tree of 27 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	9,774.5	$576.77
41	• 1 Coast redwood(Sequoia sempervirens) tree of 32 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	9,345.4	$551.46
42	• 2 Cork oak(Quercus suber) trees of 23 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	2	0.0	$0.00	17,514.1	$1,033.48

Location			CO_2 (Carbon Dioxide) Benefits			
Group Identifier	Tree Group Characteristics	Initial Number of Trees	CO_2 (Carbon Dioxide) Avoided (pounds)	CO_2 Avoided ($)	CO_2 Sequestered (pounds)	CO_2 Sequestered ($)
43	• 1 Cork oak(Quercus suber) tree of 52 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	2,453.2	$144.76
44	• 1 Coulter pine(Pinus coulteri) tree of 14 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	3,729.5	$220.07
45	• 1 Coulter pine(Pinus coulteri) tree of 15 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	3,939.4	$232.46
46	• 1 Coulter pine(Pinus coulteri) tree of 22 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	5,414.8	$319.52
47	• 1 Coulter pine(Pinus coulteri) tree of 33 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	6,491.9	$383.08
48	• 1 London's crape myrtle(Lagerstroemia loudonii) tree of 10 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	9,910.9	$584.82
49	• 3 London's crape myrtle(Lagerstroemia loudonii) trees of 11 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	3	0.0	$0.00	31,803.9	$1,876.69

Location			CO_2 (Carbon Dioxide) Benefits			
Group Identifier	Tree Group Characteristics	Initial Number of Trees	CO_2 (Carbon Dioxide) Avoided (pounds)	CO_2 Avoided ($)	CO_2 Sequestered (pounds)	CO_2 Sequestered ($)
50	• 1 European hackberry(Celtis australis) tree of 6 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	1,075.3	$63.45
51	• 1 European white birch(Betula pendula) tree of 9 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	0.0	$0.00	11,964.8	$706.02
52	• 1 European white birch(Betula pendula) tree of 12 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	18,287.4	$1,079.11
53	• 1 European white birch(Betula pendula) tree of 14 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in poor condition and planted in full sun.	1	0.0	$0.00	10,484.7	$618.68
54	• 2 Evergreen ash(Fraxinus griffithii) trees of 32 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	2	0.0	$0.00	680.2	$40.14
55	• 1 Evergreen ash(Fraxinus griffithii) tree of 36 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	396.8	$23.42
56	• 1 Evergreen ash(Fraxinus griffithii) tree of 44 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	517.2	$30.52

Location			CO_2 (Carbon Dioxide) Benefits			
Group Identifier	Tree Group Characteristics	Initial Number of Trees	CO_2 (Carbon Dioxide) Avoided (pounds)	CO_2 Avoided ($)	CO_2 Sequestered (pounds)	CO_2 Sequestered ($)
57	• 1 Evergreen ash(Fraxinus griffithii) tree of 22 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	213.9	$12.62
58	• 1 Sorbopyrus spp(x Sorbopyrus) tree of 10 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	15,397.0	$908.55
59	• 1 Sorbopyrus spp(x Sorbopyrus) tree of 17 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	18,586.5	$1,096.76
60	• 1 Sorbopyrus spp(x Sorbopyrus) tree of 18 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	18,706.9	$1,103.86
61	• 1 Sorbopyrus spp(x Sorbopyrus) tree of 13 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	17,200.9	$1,015.00
62	• 1 Fremont cottonwood(Populus fremontii) tree of 40 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	0.0	$0.00	15,772.2	$930.69
63	• 1 White mulberry(Morus alba) tree of 19 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	0.0	$0.00	10,876.7	$641.81

Location			CO_2 (Carbon Dioxide) Benefits			
Group Identifier	Tree Group Characteristics	Initial Number of Trees	CO_2 (Carbon Dioxide) Avoided (pounds)	CO_2 Avoided ($)	CO_2 Sequestered (pounds)	CO_2 Sequestered ($)
64	• 1 White mulberry(Morus alba) tree of 14 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	0.0	$0.00	10,003.1	$590.27
65	• 1 Glossy privet(Ligustrum lucidum) tree of 5 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	0.0	$0.00	4,584.5	$270.53
66	• 1 Glossy privet(Ligustrum lucidum) tree of 5 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	5,839.7	$344.59
67	• 2 Glossy privet(Ligustrum lucidum) trees of 6 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	2	0.0	$0.00	9,963.2	$587.91
68	• 4 Glossy privet(Ligustrum lucidum) trees of 7 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	4	0.0	$0.00	26,419.8	$1,558.99
69	• 3 Glossy privet(Ligustrum lucidum) trees of 8 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	3	0.0	$0.00	17,166.9	$1,012.99
70	• 3 Glossy privet(Ligustrum lucidum) trees of 8 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	3	0.0	$0.00	20,859.0	$1,230.86

Location			CO_2 (Carbon Dioxide) Benefits			
Group Identifier	Tree Group Characteristics	Initial Number of Trees	CO_2 (Carbon Dioxide) Avoided (pounds)	CO_2 Avoided ($)	CO_2 Sequestered (pounds)	CO_2 Sequestered ($)
71	• 2 Glossy privet(Ligustrum lucidum) trees of 9 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	2	0.0	$0.00	14,553.3	$858.77
72	• 2 Glossy privet(Ligustrum lucidum) trees of 9 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	2	0.0	$0.00	12,124.1	$715.42
73	• 3 Glossy privet(Ligustrum lucidum) trees of 10 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	3	0.0	$0.00	19,137.2	$1,129.25
74	• 6 Glossy privet(Ligustrum lucidum) trees of 10 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	6	0.0	$0.00	45,445.8	$2,681.68
75	• 1 Glossy privet(Ligustrum lucidum) tree of 11 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	7,842.3	$462.76
76	• 1 Glossy privet(Ligustrum lucidum) tree of 11 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in poor condition and planted in full sun.	1	0.0	$0.00	4,701.0	$277.40
77	• 1 Glossy privet(Ligustrum lucidum) tree of 12 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	8,080.8	$476.84

Location			CO_2 (Carbon Dioxide) Benefits			
Group Identifier	Tree Group Characteristics	Initial Number of Trees	CO_2 (Carbon Dioxide) Avoided (pounds)	CO_2 Avoided ($)	CO_2 Sequestered (pounds)	CO_2 Sequestered ($)
78	• 1 Glossy privet(Ligustrum lucidum) tree of 14 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	8,461.8	$499.32
79	• 1 Glossy privet(Ligustrum lucidum) tree of 15 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	8,598.9	$507.40
80	• 2 Glossy privet(Ligustrum lucidum) trees of 23 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	2	0.0	$0.00	16,145.7	$952.73
81	• 1 Goldenrain tree(Koelreuteria paniculata) tree of 9 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	6,653.8	$392.63
82	• 1 Hollyleaf cherry(Prunus ilicifolia) tree of 19 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	379.6	$22.40
83	• 1 Chinese juniper(Juniperus chinensis) tree of 27 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	17,428.3	$1,028.41
84	• 1 Chinese honey locust(Gleditsia sinensis) tree of 12 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	0.0	$0.00	2,018.7	$119.12

Location			CO_2 (Carbon Dioxide) Benefits			
Group Identifier	Tree Group Characteristics	Initial Number of Trees	CO_2 (Carbon Dioxide) Avoided (pounds)	CO_2 Avoided ($)	CO_2 Sequestered (pounds)	CO_2 Sequestered ($)
85	• 1 Incense cedar(Calocedrus decurrens) tree of 17 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	0.0	$0.00	3,451.3	$203.65
86	• 1 Italian Buckthorn(Rhamnus alaternus) tree of 6 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	3,646.3	$215.16
87	• 1 Italian Buckthorn(Rhamnus alaternus) tree of 12 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	2,929.2	$172.85
88	• 1 Italian stone pine(Pinus pinea) tree of 18 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	8,277.2	$488.43
89	• 1 Italian stone pine(Pinus pinea) tree of 26 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in poor condition and planted in full sun.	1	0.0	$0.00	6,428.8	$379.35
90	• 2 Italian stone pine(Pinus pinea) trees of 37 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	2	0.0	$0.00	17,294.5	$1,020.52
91	• 1 Italian stone pine(Pinus pinea) tree of 42 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	6,584.6	$388.55

Location			CO_2 (Carbon Dioxide) Benefits			
Group Identifier	Tree Group Characteristics	Initial Number of Trees	CO_2 (Carbon Dioxide) Avoided (pounds)	CO_2 Avoided ($)	CO_2 Sequestered (pounds)	CO_2 Sequestered ($)
92	• 1 Italian stone pine(Pinus pinea) tree of 51 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	2,486.4	$146.72
93	• 1 Leyland cypress(x Hesperotropsis leylandii) tree of 14 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	16,225.8	$957.45
94	• 2 London planetree(Platanus x hybrida) trees of 6 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	2	0.0	$0.00	6,481.8	$382.48
95	• 3 London planetree(Platanus x hybrida) trees of 7 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	3	0.0	$0.00	10,682.0	$630.32
96	• 3 London planetree(Platanus x hybrida) trees of 7 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	3	0.0	$0.00	14,028.1	$827.77
97	• 1 London planetree(Platanus x hybrida) tree of 8 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	0.0	$0.00	3,891.2	$229.61
98	• 5 London planetree(Platanus x hybrida) trees of 8 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	5	0.0	$0.00	25,354.8	$1,496.14

Location			CO_2 (Carbon Dioxide) Benefits			
Group Identifier	Tree Group Characteristics	Initial Number of Trees	CO_2 (Carbon Dioxide) Avoided (pounds)	CO_2 Avoided ($)	CO_2 Sequestered (pounds)	CO_2 Sequestered ($)
99	• 1 London planetree(Platanus x hybrida) tree of 8 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in poor condition and planted in full sun.	1	0.0	$0.00	2,403.8	$141.84
100	• 2 London planetree(Platanus x hybrida) trees of 9 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	2	0.0	$0.00	8,464.0	$499.44
101	• 2 London planetree(Platanus x hybrida) trees of 9 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	2	0.0	$0.00	10,954.0	$646.38
102	• 1 London planetree(Platanus x hybrida) tree of 9 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in poor condition and planted in full sun.	1	0.0	$0.00	2,648.6	$156.29
103	• 2 London planetree(Platanus x hybrida) trees of 10 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	2	0.0	$0.00	9,164.7	$540.80
104	• 2 London planetree(Platanus x hybrida) trees of 10 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	2	0.0	$0.00	11,787.0	$695.53
105	• 3 London planetree(Platanus x hybrida) trees of 11 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	3	0.0	$0.00	14,825.6	$874.83

Location			CO_2 (Carbon Dioxide) Benefits			
Group Identifier	Tree Group Characteristics	Initial Number of Trees	CO_2 (Carbon Dioxide) Avoided (pounds)	CO_2 Avoided ($)	CO_2 Sequestered (pounds)	CO_2 Sequestered ($)
106	• 4 London planetree(Platanus x hybrida) trees of 11 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	4	0.0	$0.00	25,279.5	$1,491.70
107	• 2 London planetree(Platanus x hybrida) trees of 12 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	2	0.0	$0.00	10,619.8	$626.66
108	• 5 London planetree(Platanus x hybrida) trees of 12 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	5	0.0	$0.00	33,777.3	$1,993.14
109	• 3 London planetree(Platanus x hybrida) trees of 13 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	3	0.0	$0.00	17,058.2	$1,006.58
110	• 7 London planetree(Platanus x hybrida) trees of 13 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	7	0.0	$0.00	50,397.8	$2,973.89
111	• 1 London planetree(Platanus x hybrida) tree of 14 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	7,642.9	$451.00
112	• 3 London planetree(Platanus x hybrida) trees of 15 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	3	0.0	$0.00	24,230.9	$1,429.82

Location			CO_2 (Carbon Dioxide) Benefits			
Group Identifier	Tree Group Characteristics	Initial Number of Trees	CO_2 (Carbon Dioxide) Avoided (pounds)	CO_2 Avoided ($)	CO_2 Sequestered (pounds)	CO_2 Sequestered ($)
113	• 2 London planetree(Platanus x hybrida) trees of 16 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	2	0.0	$0.00	13,716.7	$809.40
114	• 2 London planetree(Platanus x hybrida) trees of 16 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	2	0.0	$0.00	16,996.2	$1,002.92
115	• 1 London planetree(Platanus x hybrida) tree of 17 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	8,905.4	$525.49
116	• 1 London planetree(Platanus x hybrida) tree of 18 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	9,296.9	$548.60
117	• 1 London planetree(Platanus x hybrida) tree of 19 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	9,670.0	$570.61
118	• 2 London planetree(Platanus x hybrida) trees of 20 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	2	0.0	$0.00	20,044.0	$1,182.76
119	• 1 London planetree(Platanus x hybrida) tree of 21 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	10,352.0	$610.86

Location			CO_2 (Carbon Dioxide) Benefits			
Group Identifier	Tree Group Characteristics	Initial Number of Trees	CO_2 (Carbon Dioxide) Avoided (pounds)	CO_2 Avoided ($)	CO_2 Sequestered (pounds)	CO_2 Sequestered ($)
120	• 1 London planetree(Platanus x hybrida) tree of 23 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	10,936.2	$645.33
121	• 2 London planetree(Platanus x hybrida) trees of 28 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	2	0.0	$0.00	23,709.5	$1,399.06
122	• 1 London planetree(Platanus x hybrida) tree of 30 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	11,958.7	$705.66
123	• 1 Loquat tree(Eriobotrya japonica) tree of 17 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in poor condition and planted in full sun.	1	0.0	$0.00	865.2	$51.05
124	• 1 Loquat spp(Eriobotrya) tree of 9 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	3,809.7	$224.81
125	• 1 Mexican fan palm(Washingtonia robusta) tree of 18 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	1,938.3	$114.38
126	• 1 Mulberry spp(Morus) tree of 8 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in poor condition and planted in full sun.	1	0.0	$0.00	2,581.8	$152.35

Location			CO_2 (Carbon Dioxide) Benefits			
Group Identifier	Tree Group Characteristics	Initial Number of Trees	CO_2 (Carbon Dioxide) Avoided (pounds)	CO_2 Avoided ($)	CO_2 Sequestered (pounds)	CO_2 Sequestered ($)
127	• 1 Mulberry spp(Morus) tree of 10 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in poor condition and planted in full sun.	1	0.0	$0.00	2,528.0	$149.17
128	• 1 Prunus vulgaris(Prunus vulgaris) tree of 14 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in critical condition and planted in full sun.	1	0.0	$0.00	1,654.6	$97.64
129	• 1 Prunus x lannesiana(Prunus x lannesiana) tree of 9 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	3,990.9	$235.50
130	• 1 Ash spp(Fraxinus) tree of 21 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	0.0	$0.00	6,481.9	$382.48
131	• 1 Ash spp(Fraxinus) tree of 22 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	0.0	$0.00	6,357.1	$375.12
132	• 1 Redflower gum(Corymbia ficifolia) tree of 18 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	782.5	$46.18
133	• 1 Redflower gum(Corymbia ficifolia) tree of 35 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	1,016.6	$59.99

Location			CO_2 (Carbon Dioxide) Benefits			
Group Identifier	Tree Group Characteristics	Initial Number of Trees	CO_2 (Carbon Dioxide) Avoided (pounds)	CO_2 Avoided ($)	CO_2 Sequestered (pounds)	CO_2 Sequestered ($)
134	• 1 Red ironbark(Eucalyptus tricarpa) tree of 33 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	0.0	$0.00	20,643.0	$1,218.11
135	• 1 Sweetgum(Liquidambar styraciflua) tree of 12 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	8,985.5	$530.22
136	• 1 Sweetgum(Liquidambar styraciflua) tree of 14 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	9,785.2	$577.41
137	• 1 Sweetgum(Liquidambar styraciflua) tree of 15 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	10,160.7	$599.57
138	• 1 Tarata(Pittosporum eugenioides) tree of 6 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	3,265.7	$192.71
139	• 3 Tarata(Pittosporum eugenioides) trees of 8 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	3	0.0	$0.00	9,809.2	$578.82
140	• 1 Tulip tree(Liriodendron tulipifera) tree of 7 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in critical condition and planted in full sun.	1	0.0	$0.00	1,856.1	$109.53

Location			CO_2 (Carbon Dioxide) Benefits			
Group Identifier	Tree Group Characteristics	Initial Number of Trees	CO_2 (Carbon Dioxide) Avoided (pounds)	CO_2 Avoided ($)	CO_2 Sequestered (pounds)	CO_2 Sequestered ($)
141	• 1 Tulip tree(Liriodendron tulipifera) tree of 7 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	0.0	$0.00	7,473.7	$441.01
142	• 2 Tulip tree(Liriodendron tulipifera) trees of 8 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	2	0.0	$0.00	21,103.9	$1,245.31
145	• 3 Tulip tree(Liriodendron tulipifera) trees of 8 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	3	0.0	$0.00	24,135.9	$1,424.22
146	• 1 Tulip tree(Liriodendron tulipifera) tree of 9 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	0.0	$0.00	8,631.4	$509.32
147	• 1 Tulip tree(Liriodendron tulipifera) tree of 11 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	12,451.1	$734.72
148	• 1 Victorian box(Pittosporum undulatum) tree of 7 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	3,921.3	$231.39
149	• 2 Victorian box(Pittosporum undulatum) trees of 7 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	2	0.0	$0.00	7,248.0	$427.69

Location			CO_2 (Carbon Dioxide) Benefits			
Group Identifier	**Tree Group Characteristics**	**Initial Number of Trees**	**CO_2 (Carbon Dioxide) Avoided (pounds)**	**CO_2 Avoided ($)**	**CO_2 Sequestered (pounds)**	**CO_2 Sequestered ($)**
150	• 1 Victorian box(Pittosporum undulatum) tree of 8 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in poor condition and planted in full sun.	1	0.0	$0.00	3,062.4	$180.71
151	• 1 Victorian box(Pittosporum undulatum) tree of 9 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	0.0	$0.00	3,578.4	$211.16
152	• 1 Victorian box(Pittosporum undulatum) tree of 10 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	0.0	$0.00	3,471.4	$204.84
153	• 1 Victorian box(Pittosporum undulatum) tree of 20 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	299.9	$17.69
154	• 1 Victorian box(Pittosporum undulatum) tree of 21 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	321.5	$18.97
155	• 1 Weeping willow(Salix x sepulcralis) tree of 15 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	17,482.6	$1,031.62
156	• 1 Weeping willow(Salix x sepulcralis) tree of 23 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	0.0	$0.00	21,766.8	$1,284.42
Total		227	**0.0**	**$0.00**	**1,522,280.2**	**$89,827.19**

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
1	• 1 Tropical Almond spp(Terminalia) tree of 9 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	17.42	0.00	4.95	0.00	0.20	0.00	0.00	0.23	$0.00	$92.37
2	• 1 Tropical Almond spp(Terminalia) tree of 18 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in poor condition and planted in full sun.	1	24.06	0.00	6.71	0.00	0.28	0.00	0.00	0.29	$0.00	$121.46
3	• 1 Northern white cedar(Thuja occidentalis) tree of 11 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	16.16	0.00	4.97	0.00	0.20	0.00	0.00	0.29	$0.00	$112.18

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
4	• 3 Northern white cedar(Thuja occidentalis) trees of 7 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	3	29.24	0.00	8.92	0.00	0.37	0.00	0.00	0.51	$0.00	$197.63
5	• 2 Northern white cedar(Thuja occidentalis) trees of 8 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	2	22.44	0.00	6.86	0.00	0.28	0.00	0.00	0.40	$0.00	$152.87
6	• 1 Arizona cypress(Cupressus arizonica) tree of 25 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	32.17	0.00	9.56	0.00	0.42	0.00	0.00	0.47	$0.00	$196.44

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
7	• 1 Arizona cypress(Cupressus arizonica) tree of 19 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	27.07	0.00	8.10	0.00	0.35	0.00	0.00	0.42	$0.00	$169.46
8	• 1 Blue atlas cedar(Cedrus atlantica v. glauca) tree of 24 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	1	31.42	0.00	9.21	0.00	0.42	0.00	0.00	0.43	$0.00	$183.91
9	• 1 Blue atlas cedar(Cedrus atlantica v. glauca) tree of 24 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	30.59	0.00	8.95	0.00	0.41	0.00	0.00	0.41	$0.00	$177.59

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
10	• 1 Blue atlas cedar(Cedrus atlantica v. glauca) tree of 31 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	35.60	0.00	10.21	0.00	0.48	0.00	0.00	0.42	$0.00	$193.69
11	• 1 Paperbark(Melaleuca minutifolia) tree of 35 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	104.03	0.00	32.66	0.00	1.28	0.00	0.00	2.16	$0.00	$786.86
12	• 1 Paperbark(Melaleuca minutifolia) tree of 16 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	29.25	0.00	8.82	0.00	0.38	0.00	0.00	0.47	$0.00	$188.02

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
13	• 2 Canary island pine(Pinus canariensis) trees of 16 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	2	59.06	0.00	17.67	0.00	0.76	0.00	0.00	0.91	$0.00	$369.59
14	• 1 Canary island pine(Pinus canariensis) tree of 18 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	31.05	0.00	9.27	0.00	0.40	0.00	0.00	0.47	$0.00	$193.20
15	• 2 Canary island pine(Pinus canariensis) trees of 20 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	2	64.88	0.00	19.34	0.00	0.84	0.00	0.00	0.97	$0.00	$400.59

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
16	• 2 Canary island pine(Pinus canariensis) trees of 22 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	2	67.46	0.00	20.05	0.00	0.88	0.00	0.00	0.99	$0.00	$412.54
17	• 1 Canary island pine(Pinus canariensis) tree of 23 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	34.34	0.00	10.19	0.00	0.45	0.00	0.00	0.50	$0.00	$208.92
18	• 2 Canary island pine(Pinus canariensis) trees of 25 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	2	70.98	0.00	21.00	0.00	0.93	0.00	0.00	1.02	$0.00	$427.27

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
19	• 1 Canary island pine(Pinus canariensis) tree of 27 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	36.42	0.00	10.73	0.00	0.48	0.00	0.00	0.51	$0.00	$216.27
20	• 1 Canary island pine(Pinus canariensis) tree of 30 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	37.42	0.00	10.94	0.00	0.50	0.00	0.00	0.50	$0.00	$216.98
21	• 1 Canary island pine(Pinus canariensis) tree of 31 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	37.70	0.00	11.00	0.00	0.50	0.00	0.00	0.50	$0.00	$216.87

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
22	• 1 Canary island pine(Pinus canariensis) tree of 36 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	38.69	0.00	11.15	0.00	0.52	0.00	0.00	0.47	$0.00	$214.29
23	• 1 Carob(Ceratonia siliqua) tree of 24 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	32.53	0.00	9.55	0.00	0.43	0.00	0.00	0.44	$0.00	$190.36
24	• 1 Carob(Ceratonia siliqua) tree of 33 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	41.13	0.00	12.03	0.00	0.54	0.00	0.00	0.55	$0.00	$238.08

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
25	• 1 Carob(Ceratonia siliqua) tree of 15 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	21.92	0.00	6.46	0.00	0.29	0.00	0.00	0.31	$0.00	$129.96
26	• 1 Carob(Ceratonia siliqua) tree of 23 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	29.18	0.00	8.47	0.00	0.39	0.00	0.00	0.37	$0.00	$164.80
27	• 1 Cherry plum(Prunus cerasifera) tree of 12 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	20.36	0.00	5.59	0.00	0.24	0.00	0.00	0.23	$0.00	$98.94

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
28	• 1 Cherry plum(Prunus cerasifera) tree of 15 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	22.64	0.00	6.20	0.00	0.27	0.00	0.00	0.25	$0.00	$109.10
29	• 1 Chinese pistache(Pistacia chinensis) tree of 13 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	24.63	0.00	6.73	0.00	0.29	0.00	0.00	0.27	$0.00	$118.27
30	• 1 Chinese pistache(Pistacia chinensis) tree of 14 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	26.06	0.00	7.12	0.00	0.31	0.00	0.00	0.28	$0.00	$125.17

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
31	• 1 Coast redwood(Sequoia sempervirens) tree of 16 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	32.33	0.00	9.63	0.00	0.42	0.00	0.00	0.49	$0.00	$199.90
32	• 1 Coast redwood(Sequoia sempervirens) tree of 22 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	37.01	0.00	10.86	0.00	0.49	0.00	0.00	0.51	$0.00	$217.81
33	• 1 Coast redwood(Sequoia sempervirens) tree of 23 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	34.98	0.00	10.19	0.00	0.47	0.00	0.00	0.46	$0.00	$200.66

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
34	• 1 Coast redwood(Sequoia sempervirens) tree of 25 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	38.55	0.00	11.24	0.00	0.51	0.00	0.00	0.51	$0.00	$221.85
35	• 1 Coast redwood(Sequoia sempervirens) tree of 32 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	40.42	0.00	11.58	0.00	0.55	0.00	0.00	0.48	$0.00	$220.43
36	• 1 Coast redwood(Sequoia sempervirens) tree of 34 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	40.70	0.00	11.60	0.00	0.55	0.00	0.00	0.46	$0.00	$218.72

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
37	• 1 Coast redwood(Sequoia sempervirens) tree of 38 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	40.99	0.00	11.58	0.00	0.56	0.00	0.00	0.44	$0.00	$214.41
38	• 1 Coast redwood(Sequoia sempervirens) tree of 15 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	28.48	0.00	8.46	0.00	0.37	0.00	0.00	0.42	$0.00	$174.02
39	• 1 Coast redwood(Sequoia sempervirens) tree of 19 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	34.94	0.00	10.33	0.00	0.46	0.00	0.00	0.50	$0.00	$210.61

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
40	• 1 Coast redwood(Sequoia sempervirens) tree of 27 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	39.28	0.00	11.39	0.00	0.52	0.00	0.00	0.50	$0.00	$222.59
41	• 1 Coast redwood(Sequoia sempervirens) tree of 32 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	40.42	0.00	11.58	0.00	0.55	0.00	0.00	0.48	$0.00	$220.43
42	• 2 Cork oak(Quercus suber) trees of 23 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	2	96.74	0.00	29.72	0.00	1.22	0.00	0.00	1.76	$0.00	$669.25

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
43	• 1 Cork oak(Quercus suber) tree of 52 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	62.42	0.00	19.12	0.00	0.79	0.00	0.00	1.11	$0.00	$426.25
44	• 1 Coulter pine(Pinus coulteri) tree of 14 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	24.44	0.00	7.37	0.00	0.31	0.00	0.00	0.40	$0.00	$157.80
45	• 1 Coulter pine(Pinus coulteri) tree of 15 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	25.87	0.00	7.79	0.00	0.33	0.00	0.00	0.41	$0.00	$165.80

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
46	• 1 Coulter pine(Pinus coulteri) tree of 22 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	33.19	0.00	9.80	0.00	0.44	0.00	0.00	0.47	$0.00	$198.52
47	• 1 Coulter pine(Pinus coulteri) tree of 33 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	37.36	0.00	10.60	0.00	0.51	0.00	0.00	0.41	$0.00	$198.04
48	• 1 London's crape myrtle(Lagerstroemia loudonii) tree of 10 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	10.47	0.00	2.87	0.00	0.12	0.00	0.00	0.11	$0.00	$50.46

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
49	• 3 London's crape myrtle(Lagerstroemia loudonii) trees of 11 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	3	33.60	0.00	9.21	0.00	0.40	0.00	0.00	0.37	$0.00	$162.20
50	• 1 European hackberry(Celtis australis) tree of 6 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	22.70	0.00	6.38	0.00	0.26	0.00	0.00	0.29	$0.00	$116.69
51	• 1 European white birch(Betula pendula) tree of 9 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	24.95	0.00	6.91	0.00	0.29	0.00	0.00	0.29	$0.00	$123.47

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
52	• 1 European white birch(Betula pendula) tree of 12 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	31.75	0.00	8.77	0.00	0.37	0.00	0.00	0.36	$0.00	$156.80
53	• 1 European white birch(Betula pendula) tree of 14 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in poor condition and planted in full sun.	1	25.42	0.00	6.89	0.00	0.31	0.00	0.00	0.26	$0.00	$119.92
54	• 2 Evergreen ash(Fraxinus griffithii) trees of 32 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	2	80.19	0.00	22.81	0.00	1.09	0.00	0.00	0.90	$0.00	$426.63

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
55	• 1 Evergreen ash(Fraxinus griffithii) tree of 36 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	39.97	0.00	11.15	0.00	0.56	0.00	0.00	0.39	$0.00	$201.54
56	• 1 Evergreen ash(Fraxinus griffithii) tree of 44 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	38.10	0.00	10.23	0.00	0.55	0.00	0.00	0.30	$0.00	$176.24
57	• 1 Evergreen ash(Fraxinus griffithii) tree of 22 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	34.98	0.00	10.40	0.00	0.46	0.00	0.00	0.52	$0.00	$214.27

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
58	• 1 Sorbopyrus spp(x Sorbopyrus) tree of 10 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	21.15	0.00	5.77	0.00	0.25	0.00	0.00	0.23	$0.00	$101.15
59	• 1 Sorbopyrus spp(x Sorbopyrus) tree of 17 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	28.50	0.00	7.65	0.00	0.35	0.00	0.00	0.28	$0.00	$131.78
60	• 1 Sorbopyrus spp(x Sorbopyrus) tree of 18 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	29.29	0.00	7.84	0.00	0.36	0.00	0.00	0.28	$0.00	$134.75

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
61	• 1 Sorbopyrus spp(x Sorbopyrus) tree of 13 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	24.72	0.00	6.70	0.00	0.30	0.00	0.00	0.25	$0.00	$116.61
62	• 1 Fremont cottonwood(Populus fremontii) tree of 40 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	57.75	0.00	14.93	0.00	0.73	0.00	0.00	0.46	$0.00	$249.14
63	• 1 White mulberry(Morus alba) tree of 19 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	30.65	0.00	8.17	0.00	0.37	0.00	0.00	0.29	$0.00	$139.76

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
64	• 1 White mulberry(Morus alba) tree of 14 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	26.29	0.00	7.08	0.00	0.32	0.00	0.00	0.26	$0.00	$122.41
65	• 1 Glossy privet(Ligustrum lucidum) tree of 5 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	13.11	0.00	3.99	0.00	0.17	0.00	0.00	0.23	$0.00	$87.97
66	• 1 Glossy privet(Ligustrum lucidum) tree of 5 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	15.10	0.00	4.66	0.00	0.19	0.00	0.00	0.28	$0.00	$106.47

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
67	• 2 Glossy privet(Ligustrum lucidum) trees of 6 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	2	30.34	0.00	9.23	0.00	0.39	0.00	0.00	0.52	$0.00	$202.83
68	• 4 Glossy privet(Ligustrum lucidum) trees of 7 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	4	77.31	0.00	23.78	0.00	0.97	0.00	0.00	1.42	$0.00	$538.24
69	• 3 Glossy privet(Ligustrum lucidum) trees of 8 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	3	57.29	0.00	17.40	0.00	0.73	0.00	0.00	0.97	$0.00	$379.94

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
70	• 3 Glossy privet(Ligustrum lucidum) trees of 8 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	3	63.93	0.00	19.63	0.00	0.81	0.00	0.00	1.16	$0.00	$442.29
71	• 2 Glossy privet(Ligustrum lucidum) trees of 9 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	2	46.38	0.00	14.22	0.00	0.59	0.00	0.00	0.83	$0.00	$318.64
72	• 2 Glossy privet(Ligustrum lucidum) trees of 9 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	2	41.85	0.00	12.70	0.00	0.53	0.00	0.00	0.70	$0.00	$276.13

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
73	• 3 Glossy privet(Ligustrum lucidum) trees of 10 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	3	67.95	0.00	20.59	0.00	0.87	0.00	0.00	1.13	$0.00	$445.56
74	• 6 Glossy privet(Ligustrum lucidum) trees of 10 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	6	149.70	0.00	45.82	0.00	1.89	0.00	0.00	2.66	$0.00	$1,020.83
75	• 1 Glossy privet(Ligustrum lucidum) tree of 11 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	26.59	0.00	8.12	0.00	0.34	0.00	0.00	0.47	$0.00	$179.84

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
76	• 1 Glossy privet(Ligustrum lucidum) tree of 11 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in poor condition and planted in full sun.	1	20.40	0.00	6.05	0.00	0.27	0.00	0.00	0.30	$0.00	$123.75
77	• 1 Glossy privet(Ligustrum lucidum) tree of 12 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	28.10	0.00	8.57	0.00	0.36	0.00	0.00	0.49	$0.00	$188.44
78	• 1 Glossy privet(Ligustrum lucidum) tree of 14 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	30.77	0.00	9.33	0.00	0.39	0.00	0.00	0.52	$0.00	$202.51

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
79	• 1 Glossy privet(Ligustrum lucidum) tree of 15 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	31.94	0.00	9.66	0.00	0.41	0.00	0.00	0.53	$0.00	$208.16
80	• 2 Glossy privet(Ligustrum lucidum) trees of 23 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	2	76.67	0.00	22.74	0.00	1.00	0.00	0.00	1.11	$0.00	$465.04
81	• 1 Goldenrain tree(Koelreuteria paniculata) tree of 9 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	22.09	0.00	6.20	0.00	0.26	0.00	0.00	0.27	$0.00	$112.87

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
82	• 1 Hollyleaf cherry(Prunus ilicifolia) tree of 19 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	27.14	0.00	7.97	0.00	0.36	0.00	0.00	0.37	$0.00	$159.18
83	• 1 Chinese juniper(Juniperus chinensis) tree of 27 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	36.21	0.00	10.36	0.00	0.49	0.00	0.00	0.43	$0.00	$197.93
84	• 1 Chinese honey locust(Gleditsia sinensis) tree of 12 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	19.39	0.00	5.30	0.00	0.23	0.00	0.00	0.21	$0.00	$92.94

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
85	• 1 Incense cedar(Calocedrus decurrens) tree of 17 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	23.43	0.00	7.13	0.00	0.30	0.00	0.00	0.40	$0.00	$156.21
86	• 1 Italian Buckthorn(Rhamnus alaternus) tree of 6 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	11.26	0.00	3.04	0.00	0.14	0.00	0.00	0.11	$0.00	$52.60
87	• 1 Italian Buckthorn(Rhamnus alaternus) tree of 12 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	14.65	0.00	3.97	0.00	0.18	0.00	0.00	0.15	$0.00	$69.03

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
88	• 1 Italian stone pine(Pinus pinea) tree of 18 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	31.32	0.00	9.27	0.00	0.41	0.00	0.00	0.45	$0.00	$189.56
89	• 1 Italian stone pine(Pinus pinea) tree of 26 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in poor condition and planted in full sun.	1	29.88	0.00	8.48	0.00	0.41	0.00	0.00	0.33	$0.00	$158.40
90	• 2 Italian stone pine(Pinus pinea) trees of 37 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	2	74.20	0.00	20.57	0.00	1.04	0.00	0.00	0.71	$0.00	$369.76

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
91	• 1 Italian stone pine(Pinus pinea) tree of 42 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	36.22	0.00	9.86	0.00	0.52	0.00	0.00	0.31	$0.00	$172.78
92	• 1 Italian stone pine(Pinus pinea) tree of 51 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	29.24	0.00	7.78	0.00	0.43	0.00	0.00	0.21	$0.00	$132.74
93	• 1 Leyland cypress(x Hesperotropsis leylandii) tree of 14 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	23.05	0.00	7.10	0.00	0.29	0.00	0.00	0.42	$0.00	$160.88

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
94	• 2 London planetree(Platanus x hybrida) trees of 6 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	2	34.59	0.00	9.63	0.00	0.40	0.00	0.00	0.41	$0.00	$173.61
95	• 3 London planetree(Platanus x hybrida) trees of 7 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	3	57.95	0.00	16.13	0.00	0.68	0.00	0.00	0.69	$0.00	$290.70
96	• 3 London planetree(Platanus x hybrida) trees of 7 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	3	69.75	0.00	19.61	0.00	0.81	0.00	0.00	0.88	$0.00	$358.42

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
97	• 1 London planetree(Platanus x hybrida) tree of 8 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	21.39	0.00	5.95	0.00	0.25	0.00	0.00	0.25	$0.00	$107.22
98	• 5 London planetree(Platanus x hybrida) trees of 8 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	5	127.68	0.00	35.87	0.00	1.48	0.00	0.00	1.60	$0.00	$655.34
99	• 1 London planetree(Platanus x hybrida) tree of 8 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in poor condition and planted in full sun.	1	15.77	0.00	4.31	0.00	0.19	0.00	0.00	0.17	$0.00	$75.77

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
100	• 2 London planetree(Platanus x hybrida) trees of 9 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	2	47.01	0.00	13.08	0.00	0.55	0.00	0.00	0.56	$0.00	$235.39
101	• 2 London planetree(Platanus x hybrida) trees of 9 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	2	55.73	0.00	15.65	0.00	0.64	0.00	0.00	0.70	$0.00	$285.68
102	• 1 London planetree(Platanus x hybrida) tree of 9 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in poor condition and planted in full sun.	1	17.55	0.00	4.80	0.00	0.21	0.00	0.00	0.19	$0.00	$84.30

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
103	• 2 London planetree(Platanus x hybrida) trees of 10 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	2	51.30	0.00	14.27	0.00	0.60	0.00	0.00	0.61	$0.00	$256.55
104	• 2 London planetree(Platanus x hybrida) trees of 10 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	2	60.46	0.00	16.97	0.00	0.70	0.00	0.00	0.75	$0.00	$309.45
105	• 3 London planetree(Platanus x hybrida) trees of 11 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	3	83.48	0.00	23.20	0.00	0.98	0.00	0.00	0.98	$0.00	$416.76

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
106	• 4 London planetree(Platanus x hybrida) trees of 11 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	4	130.51	0.00	36.61	0.00	1.51	0.00	0.00	1.62	$0.00	$666.83
107	• 2 London planetree(Platanus x hybrida) trees of 12 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	2	60.05	0.00	16.67	0.00	0.70	0.00	0.00	0.71	$0.00	$299.19
108	• 5 London planetree(Platanus x hybrida) trees of 12 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	5	175.27	0.00	49.12	0.00	2.03	0.00	0.00	2.17	$0.00	$893.79

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
109	• 3 London planetree(Platanus x hybrida) trees of 13 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	3	96.73	0.00	26.84	0.00	1.13	0.00	0.00	1.13	$0.00	$480.91
110	• 7 London planetree(Platanus x hybrida) trees of 13 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	7	262.54	0.00	73.52	0.00	3.05	0.00	0.00	3.23	$0.00	$1,336.02
111	• 1 London planetree(Platanus x hybrida) tree of 14 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	39.99	0.00	11.19	0.00	0.46	0.00	0.00	0.49	$0.00	$203.03

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
112	• 3 London planetree(Platanus x hybrida) trees of 15 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	3	127.51	0.00	35.65	0.00	1.48	0.00	0.00	1.55	$0.00	$646.02
113	• 2 London planetree(Platanus x hybrida) trees of 16 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	2	78.16	0.00	21.62	0.00	0.92	0.00	0.00	0.90	$0.00	$385.87
114	• 2 London planetree(Platanus x hybrida) trees of 16 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	2	90.12	0.00	25.17	0.00	1.05	0.00	0.00	1.09	$0.00	$455.61

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
115	• 1 London planetree(Platanus x hybrida) tree of 17 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	47.66	0.00	13.30	0.00	0.56	0.00	0.00	0.58	$0.00	$240.50
116	• 1 London planetree(Platanus x hybrida) tree of 18 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	50.32	0.00	14.04	0.00	0.59	0.00	0.00	0.61	$0.00	$253.56
117	• 1 London planetree(Platanus x hybrida) tree of 19 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	53.05	0.00	14.79	0.00	0.62	0.00	0.00	0.64	$0.00	$266.95

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
118	• 2 London planetree(Platanus x hybrida) trees of 20 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	2	111.65	0.00	31.12	0.00	1.30	0.00	0.00	1.34	$0.00	$561.34
119	• 1 London planetree(Platanus x hybrida) tree of 21 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	58.64	0.00	16.34	0.00	0.68	0.00	0.00	0.70	$0.00	$294.59
120	• 1 London planetree(Platanus x hybrida) tree of 23 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	64.20	0.00	17.87	0.00	0.75	0.00	0.00	0.76	$0.00	$321.81

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
121	• 2 London planetree(Platanus x hybrida) trees of 28 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	2	154.41	0.00	42.84	0.00	1.81	0.00	0.00	1.81	$0.00	$767.99
122	• 1 London planetree(Platanus x hybrida) tree of 30 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	81.86	0.00	22.67	0.00	0.96	0.00	0.00	0.95	$0.00	$405.52
123	• 1 Loquat tree(Eriobotrya japonica) tree of 17 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in poor condition and planted in full sun.	1	17.91	0.00	5.16	0.00	0.24	0.00	0.00	0.22	$0.00	$98.75

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
124	• 1 Loquat spp(Eriobotrya) tree of 9 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	13.82	0.00	4.12	0.00	0.18	0.00	0.00	0.21	$0.00	$85.36
125	• 1 Mexican fan palm(Washingtonia robusta) tree of 18 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	27.40	0.00	7.72	0.00	0.38	0.00	0.00	0.29	$0.00	$142.20
126	• 1 Mulberry spp(Morus) tree of 8 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in poor condition and planted in full sun.	1	13.70	0.00	3.70	0.00	0.17	0.00	0.00	0.14	$0.00	$63.97

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
127	• 1 Mulberry spp(Morus) tree of 10 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in poor condition and planted in full sun.	1	15.70	0.00	4.24	0.00	0.19	0.00	0.00	0.16	$0.00	$73.43
128	• 1 Prunus vulgaris(Prunus vulgaris) tree of 14 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in critical condition and planted in full sun.	1	15.07	0.00	3.89	0.00	0.19	0.00	0.00	0.12	$0.00	$64.79
129	• 1 Prunus x lannesiana(Prunus x lannesiana) tree of 9 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	18.30	0.00	5.06	0.00	0.22	0.00	0.00	0.21	$0.00	$90.25

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
130	• 1 Ash spp(Fraxinus) tree of 21 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	34.20	0.00	9.14	0.00	0.42	0.00	0.00	0.33	$0.00	$157.07
131	• 1 Ash spp(Fraxinus) tree of 22 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	34.63	0.00	9.23	0.00	0.42	0.00	0.00	0.33	$0.00	$158.21
132	• 1 Redflower gum(Corymbia ficifolia) tree of 18 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	31.19	0.00	9.72	0.00	0.39	0.00	0.00	0.62	$0.00	$228.63

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
133	• 1 Redflower gum(Corymbia ficifolia) tree of 35 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	70.38	0.00	22.62	0.00	0.85	0.00	0.00	1.70	$0.00	$591.27
134	• 1 Red ironbark(Eucalyptus tricarpa) tree of 33 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	76.90	0.00	24.53	0.00	0.93	0.00	0.00	1.77	$0.00	$623.77
135	• 1 Sweetgum(Liquidambar styraciflua) tree of 12 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	32.67	0.00	9.19	0.00	0.38	0.00	0.00	0.41	$0.00	$168.99

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
136	• 1 Sweetgum(Liquidambar styraciflua) tree of 14 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	35.70	0.00	9.98	0.00	0.42	0.00	0.00	0.44	$0.00	$182.35
137	• 1 Sweetgum(Liquidambar styraciflua) tree of 15 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	37.10	0.00	10.35	0.00	0.43	0.00	0.00	0.45	$0.00	$188.29
138	• 1 Tarata(Pittosporum eugenioides) tree of 6 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	10.77	0.00	3.24	0.00	0.14	0.00	0.00	0.17	$0.00	$69.01

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
139	• 3 Tarata(Pittosporum eugenioides) trees of 8 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	3	40.72	0.00	12.26	0.00	0.52	0.00	0.00	0.65	$0.00	$261.05
140	• 1 Tulip tree(Liriodendron tulipifera) tree of 7 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in critical condition and planted in full sun.	1	11.14	0.00	3.00	0.00	0.13	0.00	0.00	0.11	$0.00	$51.88
141	• 1 Tulip tree(Liriodendron tulipifera) tree of 7 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	28.74	0.00	8.21	0.00	0.33	0.00	0.00	0.39	$0.00	$154.21

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
142	• 2 Tulip tree(Liriodendron tulipifera) trees of 8 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	2	75.79	0.00	21.89	0.00	0.85	0.00	0.00	1.10	$0.00	$419.38
145	• 3 Tulip tree(Liriodendron tulipifera) trees of 8 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	3	93.10	0.00	26.62	0.00	1.06	0.00	0.00	1.28	$0.00	$500.64
146	• 1 Tulip tree(Liriodendron tulipifera) tree of 9 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	33.37	0.00	9.55	0.00	0.38	0.00	0.00	0.46	$0.00	$179.81

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
147	• 1 Tulip tree(Liriodendron tulipifera) tree of 11 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	45.67	0.00	13.22	0.00	0.51	0.00	0.00	0.67	$0.00	$254.12
148	• 1 Victorian box(Pittosporum undulatum) tree of 7 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	11.94	0.00	3.60	0.00	0.15	0.00	0.00	0.19	$0.00	$76.71
149	• 2 Victorian box(Pittosporum undulatum) trees of 7 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	2	21.67	0.00	6.45	0.00	0.28	0.00	0.00	0.32	$0.00	$133.55

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
150	• 1 Victorian box(Pittosporum undulatum) tree of 8 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in poor condition and planted in full sun.	1	10.23	0.00	2.98	0.00	0.14	0.00	0.00	0.13	$0.00	$58.68
151	• 1 Victorian box(Pittosporum undulatum) tree of 9 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	13.51	0.00	4.03	0.00	0.18	0.00	0.00	0.20	$0.00	$83.37

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
152	• 1 Victorian box(Pittosporum undulatum) tree of 10 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in fair condition and planted in full sun.	1	14.77	0.00	4.40	0.00	0.19	0.00	0.00	0.22	$0.00	$91.12
153	• 1 Victorian box(Pittosporum undulatum) tree of 20 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	25.49	0.00	7.61	0.00	0.33	0.00	0.00	0.39	$0.00	$158.15

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
154	• 1 Victorian box(Pittosporum undulatum) tree of 21 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	26.38	0.00	7.87	0.00	0.34	0.00	0.00	0.40	$0.00	$163.14
155	• 1 Weeping willow(Salix x sepulcralis) tree of 15 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	42.28	0.00	11.49	0.00	0.51	0.00	0.00	0.44	$0.00	$200.49
156	• 1 Weeping willow(Salix x sepulcralis) tree of 23 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in good condition and planted in full sun.	1	57.38	0.00	15.43	0.00	0.69	0.00	0.00	0.57	$0.00	$265.96
Total		227	**6,862.94**	**0.00**	**1,972.84**	**0.00**	**84.79**	**0.00**	**0.00**	**92.52**	**$0.00**	**$38,483.39**

A1.2.8 i-Tree Planting Output (planted trees)

The i-Tree Planting Calculator (i-Tree) presents the model inputs (i.e., tree inventory) and outputs for trees planted by the project. The same number of trees would be planted under all analysis conditions (i.e., CEQA Proposed Project, CEQA Reduced Density Alternative, the CEQA Proposed Project with either utility option, the CEQA Reduced Density Alternative, and the Variant).

Project Report - i-Tree Planting Calculator

Location: Mountain View, California 94041
Total number of trees planted in this project: 1283
Electricity Emissions Factor: 0.00 kilograms CO2 equivalent/MWh
Fuel Emissions Factor: 0.00 kilograms CO2 equivalent/MMBtu
Lifetime: 40 years
Annual Tree Mortality: 3%

All amounts in the tables are for the full lifetime of the project.

Location			Tree Growth					
Group Identifier	**Tree Group Characteristics**	**Initial Number of Trees**	**DBH (The estimated DBH at the end of the projection) ()**	**Height (The estimated tree height at the end of the projection) ()**	**Surviving Trees (The number of trees that survive at the end of the projection based on the mortality rate. The models do estimate fractions of individual trees remaining after mortality for the most precise estimates of the benefits.)**	**Basal Area (The estimated combined basal area of surviving trees at the end of the projection.) ()**	**Canopy Cover (The estimated combined crown area of surviving trees at the end of the projection. This combined crown area estimate assumes no overlap between tree crowns and represents the maximum area that these trees could possibly cover.) ()**	**Biomass (The estimated combined biomass of surviving trees at the end of the projection.) (pounds)**
1	• 48 Incense cedar(Calocedrus decurrens) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	48	18.7	41.7	15	27.9	5,441.9	13.4
2	• 48 Mulberry spp(Morus) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	48	18.0	45.9	15	25.8	13,508.1	21.3

Location			Tree Growth					
Group Identifier	**Tree Group Characteristics**	**Initial Number of Trees**	**DBH (The estimated DBH at the end of the projection) ()**	**Height (The estimated tree height at the end of the projection) ()**	**Surviving Trees (The number of trees that survive at the end of the projection based on the mortality rate. The models do estimate fractions of individual trees remaining after mortality for the most precise estimates of the benefits.)**	**Basal Area (The estimated combined basal area of surviving trees at the end of the projection.) ()**	**Canopy Cover (The estimated combined crown area of surviving trees at the end of the projection. This combined crown area estimate assumes no overlap between tree crowns and represents the maximum area that these trees could possibly cover.) ()**	**Biomass (The estimated combined biomass of surviving trees at the end of the projection.) (pounds)**
3	• 48 Pine spp(Pinus) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	48	26.0	82.7	15	53.8	9,509.8	24.8
4	• 48 Canary island pine(Pinus canariensis) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	48	18.7	75.3	15	27.9	3,383.1	15.9

Location			Tree Growth					
Group Identifier	Tree Group Characteristics	Initial Number of Trees	DBH (The estimated DBH at the end of the projection) ()	Height (The estimated tree height at the end of the projection) ()	Surviving Trees (The number of trees that survive at the end of the projection based on the mortality rate. The models do estimate fractions of individual trees remaining after mortality for the most precise estimates of the benefits.)	Basal Area (The estimated combined basal area of surviving trees at the end of the projection.) ()	Canopy Cover (The estimated combined crown area of surviving trees at the end of the projection. This combined crown area estimate assumes no overlap between tree crowns and represents the maximum area that these trees could possibly cover.) ()	Biomass (The estimated combined biomass of surviving trees at the end of the projection.) (pounds)
5	• 235 White poplar(Populus alba) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	235	33.2	76.7	72	431.7	177,876.2	306.2
6	• 23 Buckeye spp(Aesculus) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	25.9	78.5	7.0	25.6	10,207.7	22.6
7	• 23 Strawberry tree(Arbutus unedo) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	16.3	81.2	7.0	10.2	4,242.3	9.6

Location			Tree Growth					
Group Identifier	Tree Group Characteristics	Initial Number of Trees	DBH (The estimated DBH at the end of the projection) ()	Height (The estimated tree height at the end of the projection) ()	Surviving Trees (The number of trees that survive at the end of the projection based on the mortality rate. The models do estimate fractions of individual trees remaining after mortality for the most precise estimates of the benefits.)	Basal Area (The estimated combined basal area of surviving trees at the end of the projection.) ()	Canopy Cover (The estimated combined crown area of surviving trees at the end of the projection. This combined crown area estimate assumes no overlap between tree crowns and represents the maximum area that these trees could possibly cover.) ()	Biomass (The estimated combined biomass of surviving trees at the end of the projection.) (pounds)
8	• 23 Red stem dogwood(Cornus sericea ssp. sericea) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	18.0	33.3	7.0	12.4	5,093.8	8.2
9	• 23 Grey Myrtle(Backhousia myrtifolia) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	18.0	54.8	7.0	12.4	3,115.5	16.7

Location			Tree Growth					
Group Identifier	**Tree Group Characteristics**	**Initial Number of Trees**	**DBH (The estimated DBH at the end of the projection) ()**	**Height (The estimated tree height at the end of the projection) ()**	**Surviving Trees (The number of trees that survive at the end of the projection based on the mortality rate. The models do estimate fractions of individual trees remaining after mortality for the most precise estimates of the benefits.)**	**Basal Area (The estimated combined basal area of surviving trees at the end of the projection.) ()**	**Canopy Cover (The estimated combined crown area of surviving trees at the end of the projection. This combined crown area estimate assumes no overlap between tree crowns and represents the maximum area that these trees could possibly cover.) ()**	**Biomass (The estimated combined biomass of surviving trees at the end of the projection.) (pounds)**
10	• 23 Fremont cottonwood(Populus fremontii) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	33.2	76.7	7.0	42.2	19,706.9	35.1
11	• 23 Quercus acutifolia(Quercus acutifolia) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	18.5	70.5	7.0	13.1	5,543.2	10.9

Location			Tree Growth					
Group Identifier	**Tree Group Characteristics**	**Initial Number of Trees**	**DBH (The estimated DBH at the end of the projection) ()**	**Height (The estimated tree height at the end of the projection) ()**	**Surviving Trees (The number of trees that survive at the end of the projection based on the mortality rate. The models do estimate fractions of individual trees remaining after mortality for the most precise estimates of the benefits.)**	**Basal Area (The estimated combined basal area of surviving trees at the end of the projection.) ()**	**Canopy Cover (The estimated combined crown area of surviving trees at the end of the projection. This combined crown area estimate assumes no overlap between tree crowns and represents the maximum area that these trees could possibly cover.) ()**	**Biomass (The estimated combined biomass of surviving trees at the end of the projection.) (pounds)**
12	• 23 Scouler willow(Salix scouleriana) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	30.8	69.0	7.0	36.3	13,663.9	28.0
13	• 31 Ginkgo(Ginkgo biloba) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	31	18.7	66.6	9.5	18.0	5,415.5	5.2

Location			Tree Growth					
Group Identifier	**Tree Group Characteristics**	**Initial Number of Trees**	**DBH (The estimated DBH at the end of the projection) ()**	**Height (The estimated tree height at the end of the projection) ()**	**Surviving Trees (The number of trees that survive at the end of the projection based on the mortality rate. The models do estimate fractions of individual trees remaining after mortality for the most precise estimates of the benefits.)**	**Basal Area (The estimated combined basal area of surviving trees at the end of the projection.) ()**	**Canopy Cover (The estimated combined crown area of surviving trees at the end of the projection. This combined crown area estimate assumes no overlap between tree crowns and represents the maximum area that these trees could possibly cover.) ()**	**Biomass (The estimated combined biomass of surviving trees at the end of the projection.) (pounds)**
14	• 31 London planetree(Platanus x hybrida) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	31	26.0	63.0	9.5	34.8	13,459.6	17.9
15	• 32 Cork oak(Quercus suber) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	32	18.7	70.9	9.8	18.6	3,811.7	15.6

Location			Tree Growth					
Group Identifier	**Tree Group Characteristics**	**Initial Number of Trees**	**DBH (The estimated DBH at the end of the projection) ()**	**Height (The estimated tree height at the end of the projection) ()**	**Surviving Trees (The number of trees that survive at the end of the projection based on the mortality rate. The models do estimate fractions of individual trees remaining after mortality for the most precise estimates of the benefits.)**	**Basal Area (The estimated combined basal area of surviving trees at the end of the projection.) ()**	**Canopy Cover (The estimated combined crown area of surviving trees at the end of the projection. This combined crown area estimate assumes no overlap between tree crowns and represents the maximum area that these trees could possibly cover.) ()**	**Biomass (The estimated combined biomass of surviving trees at the end of the projection.) (pounds)**
16	• 32 Silver linden(Tilia tomentosa) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	32	25.9	52.3	9.8	35.6	10,848.0	16.7
17	• 32 American elm(Ulmus americana) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	32	33.2	83.2	9.8	58.8	21,810.3	39.9

Location			Tree Growth					
Group Identifier	**Tree Group Characteristics**	**Initial Number of Trees**	**DBH (The estimated DBH at the end of the projection) ()**	**Height (The estimated tree height at the end of the projection) ()**	**Surviving Trees (The number of trees that survive at the end of the projection based on the mortality rate. The models do estimate fractions of individual trees remaining after mortality for the most precise estimates of the benefits.)**	**Basal Area (The estimated combined basal area of surviving trees at the end of the projection.) ()**	**Canopy Cover (The estimated combined crown area of surviving trees at the end of the projection. This combined crown area estimate assumes no overlap between tree crowns and represents the maximum area that these trees could possibly cover.) ()**	**Biomass (The estimated combined biomass of surviving trees at the end of the projection.) (pounds)**
18	• 95 White poplar(Populus alba) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	95	33.2	76.7	29	174.5	71,907.4	123.8
19	• 40 Peppermint tree(Agonis flexuosa) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	40	18.0	54.8	12	21.5	5,418.2	32.9

Location			Tree Growth					
Group Identifier	**Tree Group Characteristics**	**Initial Number of Trees**	**DBH (The estimated DBH at the end of the projection) ()**	**Height (The estimated tree height at the end of the projection) ()**	**Surviving Trees (The number of trees that survive at the end of the projection based on the mortality rate. The models do estimate fractions of individual trees remaining after mortality for the most precise estimates of the benefits.)**	**Basal Area (The estimated combined basal area of surviving trees at the end of the projection.) ()**	**Canopy Cover (The estimated combined crown area of surviving trees at the end of the projection. This combined crown area estimate assumes no overlap between tree crowns and represents the maximum area that these trees could possibly cover.) ()**	**Biomass (The estimated combined biomass of surviving trees at the end of the projection.) (pounds)**
20	• 40 Pacific madrone(Arbutus menziesii) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	40	26.0	122.0	12	44.9	14,772.8	44.6
21	• 40 Bay laurel(Laurus nobilis) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	40	18.7	60.5	12	23.3	7,802.7	43.3

Location			Tree Growth					
Group Identifier	**Tree Group Characteristics**	**Initial Number of Trees**	**DBH (The estimated DBH at the end of the projection) ()**	**Height (The estimated tree height at the end of the projection) ()**	**Surviving Trees (The number of trees that survive at the end of the projection based on the mortality rate. The models do estimate fractions of individual trees remaining after mortality for the most precise estimates of the benefits.)**	**Basal Area (The estimated combined basal area of surviving trees at the end of the projection.) ()**	**Canopy Cover (The estimated combined crown area of surviving trees at the end of the projection. This combined crown area estimate assumes no overlap between tree crowns and represents the maximum area that these trees could possibly cover.) ()**	**Biomass (The estimated combined biomass of surviving trees at the end of the projection.) (pounds)**
22	• 40 Blue oak(Quercus douglasii) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	40	18.7	70.9	12	23.3	9,303.3	16.5
23	• 42 Quercus acutifolia(Quercus acutifolia) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	42	18.5	70.5	13	23.9	10,122.3	19.9

Location			Tree Growth					
Group Identifier	**Tree Group Characteristics**	**Initial Number of Trees**	**DBH (The estimated DBH at the end of the projection) ()**	**Height (The estimated tree height at the end of the projection) ()**	**Surviving Trees (The number of trees that survive at the end of the projection based on the mortality rate. The models do estimate fractions of individual trees remaining after mortality for the most precise estimates of the benefits.)**	**Basal Area (The estimated combined basal area of surviving trees at the end of the projection.) ()**	**Canopy Cover (The estimated combined crown area of surviving trees at the end of the projection. This combined crown area estimate assumes no overlap between tree crowns and represents the maximum area that these trees could possibly cover.) ()**	**Biomass (The estimated combined biomass of surviving trees at the end of the projection.) (pounds)**
24	• 240 Scouler willow(Salix scouleriana) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	240	30.8	69.0	73	379.3	142,580.2	292.2
Total		1283			**391**	**1,575.9**	**588,544.6**	**1,181.2**

Location			CO_2 (Carbon Dioxide) Benefits			
Group Identifier	Tree Group Characteristics	Initial Number of Trees	CO_2 (Carbon Dioxide) Avoided (pounds)	CO_2 Avoided ($)	CO_2 Sequestered (pounds)	CO_2 Sequestered ($)
1	• 48 Incense cedar(Calocedrus decurrens) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	48	0.0	$0.00	78,740.2	$1,831.26
2	• 48 Mulberry spp(Morus) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	48	0.0	$0.00	143,904.2	$3,346.77
3	• 48 Pine spp(Pinus) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	48	0.0	$0.00	141,746.3	$3,296.58
4	• 48 Canary island pine(Pinus canariensis) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	48	0.0	$0.00	90,892.1	$2,113.87
5	• 235 White poplar(Populus alba) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	235	0.0	$0.00	1,715,207.6	$39,890.49
6	• 23 Buckeye spp(Aesculus) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	0.0	$0.00	127,577.6	$2,967.07
7	• 23 Strawberry tree(Arbutus unedo) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	0.0	$0.00	58,370.1	$1,357.51

Location			CO_2 (Carbon Dioxide) Benefits			
Group Identifier	Tree Group Characteristics	Initial Number of Trees	CO_2 (Carbon Dioxide) Avoided (pounds)	CO_2 Avoided ($)	CO_2 Sequestered (pounds)	CO_2 Sequestered ($)
8	• 23 Red stem dogwood(Cornus sericea ssp. sericea) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	0.0	$0.00	55,709.9	$1,295.64
9	• 23 Grey Myrtle(Backhousia myrtifolia) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	0.0	$0.00	113,392.4	$2,637.16
10	• 23 Fremont cottonwood(Populus fremontii) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	0.0	$0.00	196,649.3	$4,573.46
11	• 23 Quercus acutifolia(Quercus acutifolia) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	0.0	$0.00	83,203.3	$1,935.05
12	• 23 Scouler willow(Salix scouleriana) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	0.0	$0.00	161,787.0	$3,762.67
13	• 31 Ginkgo(Ginkgo biloba) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	31	0.0	$0.00	29,542.0	$687.06
14	• 31 London planetree(Platanus x hybrida) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	31	0.0	$0.00	100,699.0	$2,341.95

Location			CO_2 (Carbon Dioxide) Benefits			
Group Identifier	Tree Group Characteristics	Initial Number of Trees	CO_2 (Carbon Dioxide) Avoided (pounds)	CO_2 Avoided ($)	CO_2 Sequestered (pounds)	CO_2 Sequestered ($)
15	• 32 Cork oak(Quercus suber) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	32	0.0	$0.00	92,456.1	$2,150.25
16	• 32 Silver linden(Tilia tomentosa) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	32	0.0	$0.00	94,846.1	$2,205.83
17	• 32 American elm(Ulmus americana) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	32	0.0	$0.00	225,478.4	$5,243.94
18	• 95 White poplar(Populus alba) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	95	0.0	$0.00	693,381.8	$16,125.94
19	• 40 Peppermint tree(Agonis flexuosa) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	40	0.0	$0.00	223,324.8	$5,193.85
20	• 40 Pacific madrone(Arbutus menziesii) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	40	0.0	$0.00	253,161.1	$5,887.75
21	• 40 Bay laurel(Laurus nobilis) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	40	0.0	$0.00	247,426.6	$5,754.39

Location			CO_2 (Carbon Dioxide) Benefits			
Group Identifier	**Tree Group Characteristics**	**Initial Number of Trees**	**CO_2 (Carbon Dioxide) Avoided (pounds)**	**CO_2 Avoided ($)**	**CO_2 Sequestered (pounds)**	**CO_2 Sequestered ($)**
22	• 40 Blue oak(Quercus douglasii) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	40	0.0	$0.00	93,567.7	$2,176.10
23	• 42 Quercus acutifolia(Quercus acutifolia) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	42	0.0	$0.00	151,936.4	$3,533.58
24	• 240 Scouler willow(Salix scouleriana) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	240	0.0	$0.00	1,688,212.1	$39,262.66
Total		1283	**0.0**	**$0.00**	**6,861,212.0**	**$159,570.83**

Location			Energy Benefits			
Group Identifier	Tree Group Characteristics	Initial Number of Trees	Electricity Saved (kWh) (Kilowatt-Hours)	Electricity Saved ($)	Fuel Saved (MMBtu) (Millions of British Thermal Units)	Fuel Saved ($)
1	• 48 Incense cedar(Calocedrus decurrens) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	48	0.0	$0.00	0.0	$0.00
2	• 48 Mulberry spp(Morus) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	48	0.0	$0.00	0.0	$0.00
3	• 48 Pine spp(Pinus) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	48	0.0	$0.00	0.0	$0.00
4	• 48 Canary island pine(Pinus canariensis) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	48	0.0	$0.00	0.0	$0.00
5	• 235 White poplar(Populus alba) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	235	0.0	$0.00	0.0	$0.00
6	• 23 Buckeye spp(Aesculus) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	0.0	$0.00	0.0	$0.00
7	• 23 Strawberry tree(Arbutus unedo) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	0.0	$0.00	0.0	$0.00

Location			Energy Benefits			
Group Identifier	Tree Group Characteristics	Initial Number of Trees	Electricity Saved (kWh) (Kilowatt-Hours)	Electricity Saved ($)	Fuel Saved (MMBtu) (Millions of British Thermal Units)	Fuel Saved ($)
8	• 23 Red stem dogwood(Cornus sericea ssp. sericea) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	0.0	$0.00	0.0	$0.00
9	• 23 Grey Myrtle(Backhousia myrtifolia) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	0.0	$0.00	0.0	$0.00
10	• 23 Fremont cottonwood(Populus fremontii) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	0.0	$0.00	0.0	$0.00
11	• 23 Quercus acutifolia(Quercus acutifolia) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	0.0	$0.00	0.0	$0.00
12	• 23 Scouler willow(Salix scouleriana) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	0.0	$0.00	0.0	$0.00
13	• 31 Ginkgo(Ginkgo biloba) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	31	0.0	$0.00	0.0	$0.00
14	• 31 London planetree(Platanus x hybrida) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	31	0.0	$0.00	0.0	$0.00

Location			Energy Benefits			
Group Identifier	Tree Group Characteristics	Initial Number of Trees	Electricity Saved (kWh) (Kilowatt-Hours)	Electricity Saved ($)	Fuel Saved (MMBtu) (Millions of British Thermal Units)	Fuel Saved ($)
15	• 32 Cork oak(Quercus suber) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	32	0.0	$0.00	0.0	$0.00
16	• 32 Silver linden(Tilia tomentosa) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	32	0.0	$0.00	0.0	$0.00
17	• 32 American elm(Ulmus americana) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	32	0.0	$0.00	0.0	$0.00
18	• 95 White poplar(Populus alba) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	95	0.0	$0.00	0.0	$0.00
19	• 40 Peppermint tree(Agonis flexuosa) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	40	0.0	$0.00	0.0	$0.00
20	• 40 Pacific madrone(Arbutus menziesii) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	40	0.0	$0.00	0.0	$0.00
21	• 40 Bay laurel(Laurus nobilis) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	40	0.0	$0.00	0.0	$0.00

Location			Energy Benefits			
Group Identifier	**Tree Group Characteristics**	**Initial Number of Trees**	**Electricity Saved (kWh) (Kilowatt-Hours)**	**Electricity Saved ($)**	**Fuel Saved (MMBtu) (Millions of British Thermal Units)**	**Fuel Saved ($)**
22	• 40 Blue oak(Quercus douglasii) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	40	0.0	$0.00	0.0	$0.00
23	• 42 Quercus acutifolia(Quercus acutifolia) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	42	0.0	$0.00	0.0	$0.00
24	• 240 Scouler willow(Salix scouleriana) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	240	0.0	$0.00	0.0	$0.00
Total		1283	**0.0**	**$0.00**	**0.0**	**$0.00**

Location			Hydrological Benefits				
Group Identifier	Tree Group Characteristics	Initial Number of Trees	Rainfall Interception (gallons)	Evaporation (gallons)	Transpiration (gallons)	Runoff Avoided (gallons)	Runoff Avoided ($)
1	• 48 Incense cedar(Calocedrus decurrens) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	48	222,564.5	222,175.4	543,088.3	78,490.6	$701.39
2	• 48 Mulberry spp(Morus) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	48	762,382.7	761,050.0	1,860,319.9	268,865.3	$2,402.58
3	• 48 Pine spp(Pinus) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	48	371,784.6	371,134.7	907,206.1	131,115.2	$1,171.65
4	• 48 Canary island pine(Pinus canariensis) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	48	177,371.1	177,061.0	432,810.2	62,552.5	$558.97
5	• 235 White poplar(Populus alba) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	235	5,638,455.2	5,628,598.8	13,758,615.8	1,988,482.6	$17,769.08
6	• 23 Buckeye spp(Aesculus) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	388,614.0	387,934.7	948,272.3	137,050.3	$1,224.68
7	• 23 Strawberry tree(Arbutus unedo) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	242,936.0	242,511.3	592,797.5	85,674.9	$765.59

Location			Hydrological Benefits				
Group Identifier	Tree Group Characteristics	Initial Number of Trees	Rainfall Interception (gallons)	Evaporation (gallons)	Transpiration (gallons)	Runoff Avoided (gallons)	Runoff Avoided ($)
8	• 23 Red stem dogwood(Cornus sericea ssp. sericea) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	302,502.0	301,973.2	738,146.9	106,681.7	$953.31
9	• 23 Grey Myrtle(Backhousia myrtifolia) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	209,921.6	209,554.7	512,238.0	74,031.9	$661.55
10	• 23 Fremont cottonwood(Populus fremontii) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	595,798.8	594,757.3	1,453,832.1	210,117.1	$1,877.61
11	• 23 Quercus acutifolia(Quercus acutifolia) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	357,200.0	356,575.6	871,617.8	125,971.8	$1,125.68
12	• 23 Scouler willow(Salix scouleriana) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	529,274.7	528,349.5	1,291,503.9	186,656.4	$1,667.96
13	• 31 Ginkgo(Ginkgo biloba) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	31	255,561.6	255,114.9	623,606.0	90,127.5	$805.38
14	• 31 London planetree(Platanus x hybrida) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	31	493,641.0	492,778.1	1,204,552.8	174,089.6	$1,555.66

Location			Hydrological Benefits				
Group Identifier	Tree Group Characteristics	Initial Number of Trees	Rainfall Interception (gallons)	Evaporation (gallons)	Transpiration (gallons)	Runoff Avoided (gallons)	Runoff Avoided ($)
15	• 32 Cork oak(Quercus suber) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	32	225,097.9	224,704.4	549,270.2	79,384.0	$709.38
16	• 32 Silver linden(Tilia tomentosa) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	32	463,618.4	462,808.0	1,131,293.5	163,501.7	$1,461.05
17	• 32 American elm(Ulmus americana) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	32	763,397.0	762,062.5	1,862,794.9	269,223.0	$2,405.78
18	• 95 White poplar(Populus alba) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	95	2,279,375.5	2,275,391.0	5,561,993.6	803,854.7	$7,183.25
19	• 40 Peppermint tree(Agonis flexuosa) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	40	365,081.1	364,442.9	890,848.8	128,751.1	$1,150.52
20	• 40 Pacific madrone(Arbutus menziesii) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	40	622,531.6	621,443.4	1,519,063.8	219,544.8	$1,961.85
21	• 40 Bay laurel(Laurus nobilis) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	40	370,791.0	370,142.9	904,781.8	130,764.8	$1,168.51

Location			Hydrological Benefits				
Group Identifier	**Tree Group Characteristics**	**Initial Number of Trees**	**Rainfall Interception (gallons)**	**Evaporation (gallons)**	**Transpiration (gallons)**	**Runoff Avoided (gallons)**	**Runoff Avoided ($)**
22	• 40 Blue oak(Quercus douglasii) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	40	436,743.2	435,979.7	1,065,714.1	154,023.8	$1,376.36
23	• 42 Quercus acutifolia(Quercus acutifolia) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	42	652,278.3	651,138.1	1,591,650.0	230,035.4	$2,055.60
24	• 240 Scouler willow(Salix scouleriana) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	240	5,522,866.3	5,513,211.9	13,476,562.7	1,947,718.5	$17,404.81
Total		1283	**22,249,788.1**	**22,210,893.9**	**54,292,581.0**	**7,846,709.0**	**$70,118.19**

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
1	• 48 Incense cedar(Calocedrus decurrens) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	48	209.66	0.00	64.42	0.00	2.65	0.00	0.00	3.85	$0.00	$1,462.39
2	• 48 Mulberry spp(Morus) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	48	586.99	0.00	162.90	0.00	6.88	0.00	0.00	6.89	$0.00	$2,924.57

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
3	• 48 Pine spp(Pinus) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	48	357.29	0.00	110.10	0.00	4.49	0.00	0.00	6.67	$0.00	$2,518.41
4	• 48 Canary island pine(Pinus canariensis) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	48	160.70	0.00	49.14	0.00	2.04	0.00	0.00	2.88	$0.00	$1,104.87

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
5	• 235 White poplar(Populus alba) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	235	4,767.16	0.00	1,342.82	0.00	55.02	0.00	0.00	60.75	$0.00	$24,677.91
6	• 23 Buckeye spp(Aesculus) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	341.46	0.00	96.76	0.00	3.92	0.00	0.00	4.49	$0.00	$1,795.33

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
7	• 23 Strawberry tree(Arbutus unedo) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	171.54	0.00	50.26	0.00	2.27	0.00	0.00	2.32	$0.00	$1,001.67
8	• 23 Red stem dogwood(Cornus sericea ssp. sericea) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	196.93	0.00	53.25	0.00	2.37	0.00	0.00	2.01	$0.00	$925.10

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
9	• 23 Grey Myrtle(Backhousia myrtifolia) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	197.75	0.00	60.99	0.00	2.49	0.00	0.00	3.76	$0.00	$1,413.69
10	• 23 Fremont cottonwood(Populus fremontii) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	505.37	0.00	142.48	0.00	5.83	0.00	0.00	6.48	$0.00	$2,624.57

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
11	• 23 Quercus acutifolia(Quercus acutifolia) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	346.55	0.00	106.83	0.00	4.36	0.00	0.00	6.45	$0.00	$2,437.46
12	• 23 Scouler willow(Salix scouleriana) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	23	402.52	0.00	111.46	0.00	4.73	0.00	0.00	4.66	$0.00	$1,994.16

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
13	• 31 Ginkgo(Ginkgo biloba) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	31	209.57	0.00	58.87	0.00	2.43	0.00	0.00	2.65	$0.00	$1,080.98
14	• 31 London planetree(Platanus x hybrida) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	31	430.36	0.00	121.80	0.00	4.94	0.00	0.00	5.62	$0.00	$2,254.82

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
15	• 32 Cork oak(Quercus suber) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	32	212.74	0.00	65.57	0.00	2.68	0.00	0.00	4.02	$0.00	$1,513.61
16	• 32 Silver linden(Tilia tomentosa) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	32	409.96	0.00	116.34	0.00	4.70	0.00	0.00	5.44	$0.00	$2,165.03

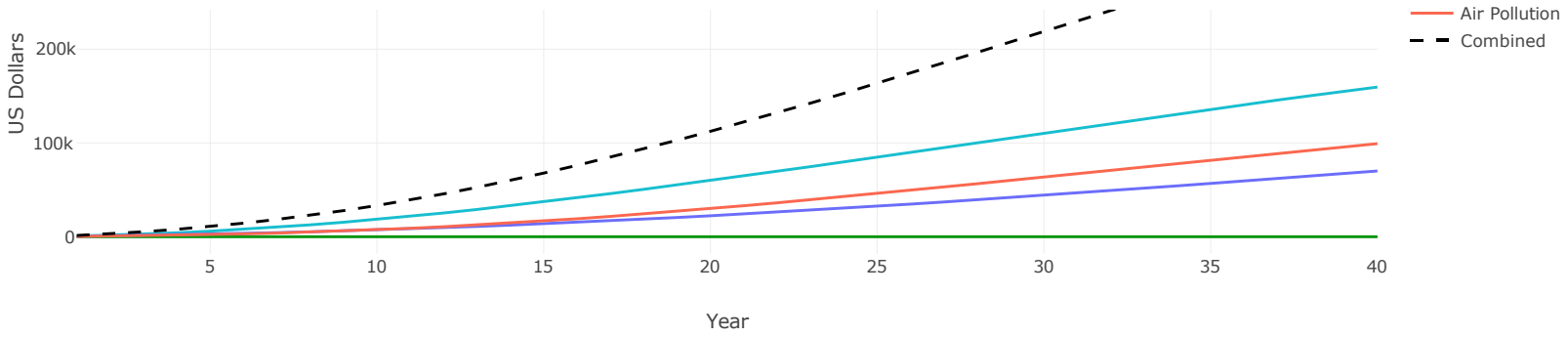
Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
17	• 32 American elm(Ulmus americana) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	32	614.90	0.00	171.80	0.00	7.16	0.00	0.00	7.48	$0.00	$3,113.44
18	• 95 White poplar(Populus alba) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	95	1,927.15	0.00	542.84	0.00	22.24	0.00	0.00	24.56	$0.00	$9,976.18

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
19	• 40 Peppermint tree(Agonis flexuosa) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	40	343.92	0.00	106.07	0.00	4.33	0.00	0.00	6.54	$0.00	$2,458.60
20	• 40 Pacific madrone(Arbutus menziesii) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	40	456.71	0.00	134.57	0.00	6.01	0.00	0.00	6.38	$0.00	$2,712.94

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
21	• 40 Bay laurel(Laurus nobilis) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	40	295.84	0.00	88.50	0.00	3.83	0.00	0.00	4.58	$0.00	$1,861.64
22	• 40 Blue oak(Quercus douglasii) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	40	378.30	0.00	107.10	0.00	4.34	0.00	0.00	4.97	$0.00	$1,988.97

Location			Air Benefits									
Group Identifier	Tree Group Characteristics	Initial Number of Trees	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
23	• 42 Quercus acutifolia(Quercus acutifolia) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	42	632.84	0.00	195.08	0.00	7.96	0.00	0.00	11.78	$0.00	$4,451.01
24	• 240 Scouler willow(Salix scouleriana) trees of 2 inches initial DBH (Diameter at Breast Height). • Planted >60 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	240	4,200.25	0.00	1,163.07	0.00	49.33	0.00	0.00	48.67	$0.00	$20,808.59
Total		1283	**18,356.47**	**0.00**	**5,223.01**	**0.00**	**216.96**	**0.00**	**0.00**	**243.91**	**$0.00**	**$99,265.94**

Cumulative Benefits Over Years



Mortality is modeled as a fractional (not whole) tree estimate and may not align year-over-year.
Sequestration does not account for net differences like decay.
Tree canopy cover estimate assumes no overlap between crowns.

Application v2.7.0, powered by engine v0.15.1 (APIv3) and database v12.0.77.

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Use of this tool indicates acceptance of the End-User License Agreement (EULA), which can be found at:
https://help.itreetools.org/eula/
Version 2.7.0

A1.2.9 Adjusted Mobile-Source ROG, NO_X, and PM Emission Factors and Calculations

This section provides the operational EMFAC emission factors with CARB's off-model adjustments and the revised ROG, NO_X, and PM mobile-source emissions calculations for operation of the CEQA Proposed Project (with or without the utility options and Variant). Adjusted ROG, NO_X, and PM mobile-source emissions were estimated by multiplying the adjusted emission factors by the project-specific traffic data. Total annual operational emissions from the CalEEMod outputs were revised, based on the difference in mobile-source emissions between the adjusted (i.e., off-model) and unadjusted (i.e., CalEEMod) results. The revised results were then used to calculate average daily emissions for report presentation.

Adjusted Emission Factors

Year	ROG (g/mi)	NOx (g/mi)	PM10E (g/mi)	PM10D (g/mi)	PM10T (g/mi)	PM2.5E (g/mi)	PM2.5D (g/mi)	PM2.5T (g/mi)
2024	0.04	0.12	0.00	0.32	0.32	0.00	0.08	0.08
2031	0.03	0.07	0.00	0.32	0.32	0.00	0.08	0.08
2034	0.02	0.07	0.00	0.32	0.32	0.00	0.08	0.08
2037	0.02	0.06	0.00	0.32	0.32	0.00	0.08	0.08
2040	0.02	0.06	0.00	0.32	0.32	0.00	0.08	0.08

Year	ROG (g/trip)	NOx (g/trip)	PM10E (g/trip)	PM10D (g/trip)	PM10T (g/trip)	PM2.5E (g/trip)	PM2.5D (g/trip)	PM2.5T (g/trip)
2024	1.21	0.36	0.00	0.00	0.00	0.00	0.00	0.00
2031	0.90	0.30	0.00	0.00	0.00	0.00	0.00	0.00
2034	0.83	0.29	0.00	0.00	0.00	0.00	0.00	0.00
2037	0.79	0.29	0.00	0.00	0.00	0.00	0.00	0.00
2040	0.74	0.30	0.00	0.00	0.00	0.00	0.00	0.00

	CEQA Proposed Project (with or without utility options)				CEQA Proposed Project with Variant
Year	2031	2034	2037	2040	2040
VMT/yr	16,534,000	37,621,500	48,926,500	61,327,000	62,545,000
Trips/yr	1,962,450	4,465,300	5,807,200	7,278,950	7,423,500

Year	ROG (ton/yr)	NOx (ton/yr)	PM10E (ton/yr)	PM10D (ton/yr)	PM10T (ton/yr)	PM2.5E (ton/yr)	PM2.5D (ton/yr)	PM2.5T (ton/yr)
2031	2.4	2.0	0.0	5.8	5.9	0.0	1.5	1.5
2034	5.1	4.2	0.1	13.3	13.3	0.1	3.4	3.4
2037	6.3	5.1	0.1	17.3	17.4	0.1	4.4	4.4
2040	7.5	6.4	0.1	21.7	21.8	0.1	5.5	5.6
2040 (Variant)	7.6	6.5	0.1	22.1	22.2	0.1	5.6	5.7

B.1 CEQA Proposed Project (NEPA Build Alternative 1) with CUP Option

B1.1 Construction

The CUP would be located within the footprint of a parking garage constructed under the CEQA Proposed Project. Thus, there would be no additional site disturbance, material movement, or architectural coating, and the construction activity inputs and emissions presented for the CEQA Proposed Project in Sections A1.1.2 through A1.1.5 would also occur under with the CUP Option. Refer to these sections for additional information.

Construction of the CUP would require additional off-road equipment and on-road vehicles beyond what that required for construction of the CEQA Proposed Project during Phase 3. These emissions were quantified in CalEEMod using the phasing details summarized in Section B1.1.1. Section B1.1.2 presents the CalEEMod output.

B1.1.1 Phase and Sub-Phase Codes

Table B-1 identifies the sub-phases and modeling codes for the additional construction phases that would occur under the CEQA Proposed Project with the CUP Option.

Table B-1. Additional Construction Sub-Phases and Modeling Codes for CEQA Proposed Project with the CUP Option

Phase	Sub-Phase	Code	Description
3	A	CUP-A	CUP – Site Preparation
3	B	CUP-B	CUP – Grading
3	C	CUP-C	CUP – Vertical Construction

B1.1.2 Additional CUP Construction CalEEMod Output

The CalEEMod output presents model inputs and outputs for additional construction of the CEQA Proposed Project with the CUP Option, Phase 3. These emissions were added to those quantified for the CEQA Proposed Project, Phase 3 (see Section A1.1.4).

Neither total construction nor mobile-source emissions results in the CalEEMod output are adjusted to reflect the June 12, 2025, congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has developed off-model adjustment factors for NO_X, ROG, PM_{10}, and $PM_{2.5}$ that remove the estimated emissions benefits attributed to regulations. Emissions of these pollutants were separately quantified using the CalEEMod trip and milage inventory and emission factors from EMFAC2021 with the off-model adjustments per CARB's guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for mobile sources and the total phase emissions recalculated. Refer to Section B1.1.3 for the off-model calculations.

Moffett CUP Construction Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Moffett CUP Construction
Construction Start Date	1/1/2034
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	28.2
Location	37.40646021370499, -122.05214834788202
County	Santa Clara
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1702
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
User Defined Industrial	12,600	User Defined Unit	0.00	12,600	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-1-A	Use Electric or Hybrid Powered Equipment
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-4*	Use Local and Sustainable Building Materials
Construction	C-5	Use Advanced Engine Tiers
Construction	C-10-C	Water Unpaved Construction Roads
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.28	3.58	38.5	56.3	0.09	0.63	1.24	1.87	0.58	0.31	0.89	—	8,488	8,488	0.34	0.07	0.44	8,519
Mit.	0.47	0.46	4.31	27.1	0.04	0.07	1.24	1.31	0.07	0.31	0.38	—	4,056	4,056	0.16	0.04	0.44	4,072
% Reduced	89%	87%	89%	52%	59%	89%	—	30%	88%	—	57%	—	52%	52%	53%	48%	—	52%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.81	4.87	51.2	74.3	0.11	1.03	2.26	3.29	0.95	0.56	1.51	—	11,207	11,207	0.45	0.10	0.02	11,247
Mit.	0.75	0.74	7.71	41.4	0.05	0.11	2.26	2.37	0.11	0.56	0.66	—	6,208	6,208	0.24	0.06	0.02	6,231
% Reduced	87%	85%	85%	44%	51%	90%	—	28%	89%	—	56%	—	45%	45%	46%	42%	—	45%

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.25	1.88	20.7	30.3	0.05	0.27	0.44	0.71	0.25	0.11	0.36	—	4,572	4,572	0.18	0.04	0.07	4,589
Mit.	0.20	0.20	1.63	12.6	0.02	0.03	0.44	0.48	0.03	0.11	0.14	—	1,875	1,875	0.07	0.02	0.07	1,883
% Reduced	91%	89%	92%	58%	66%	88%	—	33%	87%	—	60%	—	59%	59%	60%	53%	—	59%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.41	0.34	3.78	5.53	0.01	0.05	0.08	0.13	0.05	0.02	0.07	—	757	757	0.03	0.01	0.01	760
Mit.	0.04	0.04	0.30	2.30	< 0.005	0.01	0.08	0.09	0.01	0.02	0.03	—	310	310	0.01	< 0.005	0.01	312
% Reduced	91%	89%	92%	58%	66%	88%	—	33%	87%	—	60%	—	59%	59%	60%	53%	—	59%

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	4.28	3.58	38.5	56.3	0.09	0.63	1.24	1.87	0.58	0.31	0.89	—	8,488	8,488	0.34	0.07	0.44	8,519
2035	2.72	2.26	25.7	38.0	0.06	0.21	0.22	0.44	0.20	0.06	0.25	—	5,731	5,731	0.23	0.05	0.08	5,753
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	5.81	4.87	51.2	74.3	0.11	1.03	2.26	3.29	0.95	0.56	1.51	—	11,207	11,207	0.45	0.10	0.02	11,247
2035	2.72	2.26	25.7	37.9	0.06	0.21	0.22	0.44	0.20	0.06	0.25	—	5,728	5,728	0.23	0.05	< 0.005	5,750
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	2.25	1.88	20.7	30.3	0.05	0.27	0.44	0.71	0.25	0.11	0.36	—	4,572	4,572	0.18	0.04	0.07	4,589
2035	1.13	0.94	10.7	15.8	0.03	0.09	0.09	0.18	0.08	0.02	0.10	—	2,388	2,388	0.10	0.02	0.02	2,397
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2034	0.41	0.34	3.78	5.53	0.01	0.05	0.08	0.13	0.05	0.02	0.07	—	757	757	0.03	0.01	0.01	760
2035	0.21	0.17	1.96	2.89	< 0.005	0.02	0.02	0.03	0.02	< 0.005	0.02	—	395	395	0.02	< 0.005	< 0.005	397

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	0.47	0.46	4.31	27.1	0.04	0.07	1.24	1.31	0.07	0.31	0.38	—	4,056	4,056	0.16	0.04	0.44	4,072
2035	0.18	0.18	0.93	12.7	0.02	0.03	0.22	0.26	0.03	0.06	0.09	—	1,867	1,867	0.07	0.02	0.08	1,876
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	0.75	0.74	7.71	41.4	0.05	0.11	2.26	2.37	0.11	0.56	0.66	—	6,208	6,208	0.24	0.06	0.02	6,231
2035	0.18	0.18	0.93	12.7	0.02	0.03	0.22	0.26	0.03	0.06	0.09	—	1,865	1,865	0.07	0.02	< 0.005	1,873
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	0.20	0.20	1.63	12.6	0.02	0.03	0.44	0.48	0.03	0.11	0.14	—	1,875	1,875	0.07	0.02	0.07	1,883
2035	0.08	0.08	0.39	5.27	0.01	0.01	0.09	0.10	0.01	0.02	0.04	—	777	777	0.03	0.01	0.02	781
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2034	0.04	0.04	0.30	2.30	< 0.005	0.01	0.08	0.09	0.01	0.02	0.03	—	310	310	0.01	< 0.005	0.01	312
2035	0.01	0.01	0.07	0.96	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	129	129	0.01	< 0.005	< 0.005	129

3. Construction Emissions Details

3.1. Site Preparation (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.47	1.24	12.7	17.5	0.02	0.40	—	0.40	0.37	—	0.37	—	2,531	2,531	0.10	0.02	—	2,540
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.80	1.11	< 0.005	0.03	—	0.03	0.02	—	0.02	—	159	159	0.01	< 0.005	—	160
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.15	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	26.4	26.4	< 0.005	< 0.005	—	26.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.63	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	207	207	< 0.005	< 0.005	0.01	208

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.02	0.02	—	13.2	13.2	< 0.005	< 0.005	0.01	13.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.18	2.18	< 0.005	< 0.005	< 0.005	2.19
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.01	0.01	0.21	0.86	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	124	124	0.01	< 0.005	—	124
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.16	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	20.5	20.5	< 0.005	< 0.005	—	20.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.63	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	207	207	< 0.005	< 0.005	0.01	208
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.02	0.02	—	13.2	13.2	< 0.005	< 0.005	0.01	13.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.18	2.18	< 0.005	< 0.005	< 0.005	2.19
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.47	1.24	12.7	17.5	0.02	0.40	—	0.40	0.37	—	0.37	—	2,531	2,531	0.10	0.02	—	2,540
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.47	1.24	12.7	17.5	0.02	0.40	—	0.40	0.37	—	0.37	—	2,531	2,531	0.10	0.02	—	2,540
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.30	3.02	4.18	0.01	0.10	—	0.10	0.09	—	0.09	—	603	603	0.02	< 0.005	—	605
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.55	0.76	< 0.005	0.02	—	0.02	0.02	—	0.02	—	99.9	99.9	< 0.005	< 0.005	—	100

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.74	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	224	224	< 0.005	< 0.005	0.34	225
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.63	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	207	207	< 0.005	< 0.005	0.01	208
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	49.9	49.9	< 0.005	< 0.005	0.04	50.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.26	8.26	< 0.005	< 0.005	0.01	8.30
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Grading (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.80	3.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	468	468	0.02	< 0.005	—	470
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.15	0.60	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	77.5	77.5	< 0.005	< 0.005	—	77.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.06	0.06	0.04	0.74	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	224	224	< 0.005	< 0.005	0.34	225
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.63	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	207	207	< 0.005	< 0.005	0.01	208
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	49.9	49.9	< 0.005	< 0.005	0.04	50.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.26	8.26	< 0.005	< 0.005	0.01	8.30
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.73	2.26	25.8	37.8	0.06	0.23	—	0.23	0.21	—	0.21	—	5,654	5,654	0.23	0.05	—	5,674

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.73	2.26	25.8	37.8	0.06	0.23	—	0.23	0.21	—	0.21	—	5,654	5,654	0.23	0.05	—	5,674
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.78	1.48	16.8	24.7	0.04	0.15	—	0.15	0.14	—	0.14	—	3,696	3,696	0.15	0.03	—	3,708
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	0.27	3.07	4.51	0.01	0.03	—	0.03	0.03	—	0.03	—	612	612	0.02	< 0.005	—	614
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	37.3	37.3	< 0.005	< 0.005	0.06	37.4
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	41.4	41.4	< 0.005	0.01	0.04	43.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	34.5	34.5	< 0.005	< 0.005	< 0.005	34.6
Vendor	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	41.5	41.5	< 0.005	0.01	< 0.005	43.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	22.8	22.8	< 0.005	< 0.005	0.02	22.9
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	27.1	27.1	< 0.005	< 0.005	0.01	28.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.78	3.78	< 0.005	< 0.005	< 0.005	3.79
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	4.48	4.48	< 0.005	< 0.005	< 0.005	4.69
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.17	0.88	12.5	0.02	0.03	—	0.03	0.03	—	0.03	—	1,790	1,790	0.07	0.01	—	1,797
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.17	0.17	0.88	12.5	0.02	0.03	—	0.03	0.03	—	0.03	—	1,790	1,790	0.07	0.01	—	1,797
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.58	8.19	0.01	0.02	—	0.02	0.02	—	0.02	—	1,170	1,170	0.05	0.01	—	1,174
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.11	1.49	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	194	194	0.01	< 0.005	—	194
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	37.3	37.3	< 0.005	< 0.005	0.06	37.4
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	41.4	41.4	< 0.005	0.01	0.04	43.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	34.5	34.5	< 0.005	< 0.005	< 0.005	34.6
Vendor	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	41.5	41.5	< 0.005	0.01	< 0.005	43.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	22.8	22.8	< 0.005	< 0.005	0.02	22.9
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	27.1	27.1	< 0.005	< 0.005	0.01	28.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.78	3.78	< 0.005	< 0.005	< 0.005	3.79
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	4.48	4.48	< 0.005	< 0.005	< 0.005	4.69
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.71	2.25	25.7	37.8	0.06	0.21	—	0.21	0.20	—	0.20	—	5,654	5,654	0.23	0.05	—	5,674
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.71	2.25	25.7	37.8	0.06	0.21	—	0.21	0.20	—	0.20	—	5,654	5,654	0.23	0.05	—	5,674
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.13	0.94	10.7	15.8	0.03	0.09	—	0.09	0.08	—	0.08	—	2,357	2,357	0.10	0.02	—	2,365
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.17	1.95	2.88	< 0.005	0.02	—	0.02	0.01	—	0.01	—	390	390	0.02	< 0.005	—	392
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	36.9	36.9	< 0.005	< 0.005	0.05	37.0
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	40.0	40.0	< 0.005	0.01	0.04	41.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	34.2	34.2	< 0.005	< 0.005	< 0.005	34.3
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	40.0	40.0	< 0.005	0.01	< 0.005	41.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	14.4	14.4	< 0.005	< 0.005	0.01	14.4
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	16.7	16.7	< 0.005	< 0.005	0.01	17.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.38	2.38	< 0.005	< 0.005	< 0.005	2.39
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.76	2.76	< 0.005	< 0.005	< 0.005	2.89
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.17	0.88	12.5	0.02	0.03	—	0.03	0.03	—	0.03	—	1,790	1,790	0.07	0.01	—	1,797
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.17	0.88	12.5	0.02	0.03	—	0.03	0.03	—	0.03	—	1,790	1,790	0.07	0.01	—	1,797
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.37	5.22	0.01	0.01	—	0.01	0.01	—	0.01	—	746	746	0.03	0.01	—	749
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.95	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	124	124	0.01	< 0.005	—	124
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	36.9	36.9	< 0.005	< 0.005	0.05	37.0
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	40.0	40.0	< 0.005	0.01	0.04	41.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	34.2	34.2	< 0.005	< 0.005	< 0.005	34.3
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	40.0	40.0	< 0.005	0.01	< 0.005	41.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	14.4	14.4	< 0.005	< 0.005	0.01	14.4
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	16.7	16.7	< 0.005	< 0.005	0.01	17.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.38	2.38	< 0.005	< 0.005	< 0.005	2.39
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.76	2.76	< 0.005	< 0.005	< 0.005	2.89
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	1/1/2034	2/1/2034	5.00	23.0	—
Grading	Grading	2/1/2034	6/1/2034	5.00	87.0	—
Building Construction	Building Construction	2/1/2034	8/1/2035	5.00	391	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Excavators	Diesel	Average	8.00	8.00	36.0	0.38
Site Preparation	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
Grading	Excavators	Diesel	Average	8.00	8.00	36.0	0.38
Grading	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
Building Construction	Aerial Lifts	Diesel	Average	6.00	10.0	46.0	0.31
Building Construction	Welders	Diesel	Average	12.0	8.00	46.0	0.45
Building Construction	Air Compressors	Diesel	Average	6.00	2.00	37.0	0.48
Building Construction	Rough Terrain Forklifts	Diesel	Average	10.0	4.00	96.0	0.40

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Excavators	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
Site Preparation	Excavators	Electric	Average	4.00	8.00	36.0	0.38
Site Preparation	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
Grading	Excavators	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
Grading	Excavators	Electric	Average	4.00	8.00	36.0	0.38
Grading	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43

Building Construction	Aerial Lifts	Electric	Average	6.00	10.0	46.0	0.31
Building Construction	Welders	Electric	Average	12.0	8.00	46.0	0.45
Building Construction	Air Compressors	Electric	Average	6.00	2.00	37.0	0.48
Building Construction	Rough Terrain Forklifts	Diesel	Tier 4 Final	10.0	4.00	96.0	0.40

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	30.0	11.7	LDA,LDT1,LDT2
Site Preparation	Vendor	0.00	8.40	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	0.00	0.00	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	5.00	11.7	LDA,LDT1,LDT2
Building Construction	Vendor	2.00	8.40	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	0.00	HHDT
Grading	—	—	—	—
Grading	Worker	30.0	11.7	LDA,LDT1,LDT2
Grading	Vendor	0.00	8.40	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	0.00	0.00	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—

Site Preparation	Worker	30.0	11.7	LDA,LDT1,LDT2
Site Preparation	Vendor	0.00	8.40	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	0.00	0.00	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	5.00	11.7	LDA,LDT1,LDT2
Building Construction	Vendor	2.00	8.40	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	0.00	HHDT
Grading	—	—	—	—
Grading	Worker	30.0	11.7	LDA,LDT1,LDT2
Grading	Vendor	0.00	8.40	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	0.00	0.00	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	Project in urban setting.
Land Use	12,600 square foot facility within Building 6 (no additional acres).
Construction: Construction Phases	Data provided by SKS.
Construction: Off-Road Equipment	Data provided by SKS.
Construction: Dust From Material Movement	All activity within footprint of building 6.
Construction: On-Road Fugitive Dust	Silt loading modified per BAAQMD CEQA Guidelines.
Construction: Trips and VMT	Data provided by SKS. Defaults used where project-specific data were not available.

Construction: Electricity	Per PG&E's 2023 PCL adjusted to account for RPS. CO2 is CO2e.

B1.1.3 Adjusted Mobile-Source ROG, NO_X, and PM Emission Factors and Calculations

This section provides the revised ROG, NO_X, and PM mobile-source emissions calculations for additional construction of the CEQA Proposed Project with the CUP Option, Phase 3. Emission factors were developed for each of the CalEEMod construction vehicle fleet mixes (i.e., worker, vendor, and haul) (see Section A.1.1.6). Adjusted ROG, NO_X, and PM mobile-source emissions were estimated by multiplying the adjusted emission factors by the CalEEMod trip and milage inventory. Total annual construction emissions from the CalEEMod output were revised, based on the difference in mobile-source emissions between the adjusted (i.e., off-model) and unadjusted (i.e., CalEEMod) results. The revised results were then used to calculate average daily emissions for report presentation.

Phase Name	Start Date	End Date	Year	Workdays	Source Type	Trips/day	Miles/trip	ROG (ton/yr)	NOx (ton/yr)	PM10E (ton/yr)	PM10D (ton/yr)	PM10T (ton/yr)	PM2.5E (ton/yr)	PM2.5D (ton/yr)	PM2.5T (ton/yr)
Site Preparation	1/1/2034	2/1/2034	2034	23	Worker	30	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
Site Preparation	1/1/2034	2/1/2034	2034	23	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	1/1/2034	2/1/2034	2034	23	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	2/1/2034	6/1/2034	2034	87	Worker	30	11.7	0.00	0.00	0.00	0.04	0.04	0.00	0.01	0.01
Grading	2/1/2034	6/1/2034	2034	87	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	2/1/2034	6/1/2034	2034	87	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	2/1/2034	8/1/2035	2034	238	Worker	5	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00
Building Construction	2/1/2034	8/1/2035	2034	238	Vendor	2	8.4	0.00	0.01	0.00	0.01	0.01	0.00	0.00	0.00
Building Construction	2/1/2034	8/1/2035	2034	238	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	2/1/2034	8/1/2035	2035	153	Worker	5	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
Building Construction	2/1/2034	8/1/2035	2035	153	Vendor	2	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	2/1/2034	8/1/2035	2035	153	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

B1.2 Operations

Sections B1.2.1 and B1.2.2 present the CalEEMod outputs that would occur under the CEQA Proposed Project with the CUP Option. Refer to Sections A1.2.1 and A1.2.2 for CalEEMod outputs for operation of Phase 1 and Phases 1 and 2, respectively. Because the CUP would not begin operation until 2037, there would be no difference in operational activity with or without the CUP prior to 2037. Refer to Sections A1.2.5 through A1.2.8 for emissions calculations for the cooling towers, wet labs, and tree removals and plantings.

B1.2.1 Phases 1, 2, and 3 Operations CalEEMod Output

The CalEEMod output presents model inputs and outputs for operation of land uses constructed under the CEQA Proposed Project with the CUP Option, Phases 1, 2, and 3. All structures were assumed to be fully occupied the first year following completion of construction (i.e., 2031 for Phase 1, 2034 for Phase 2, 2037 for Phase 3).

Note that the mitigated condition does not account for Mitigation Measure TRAN-1. Based on modeling from Fehr & Peers, the measure would achieve a 7.5 percent reduction in trips and VMT (Tan pers. comm. [A]). Accordingly, mobile-source emissions from CalEEMod were manually reduced by 7.5 percent to account for implementation of Mitigation Measure TRAN-1.

Neither total operation nor mobile-source emissions results in the CalEEMod output are adjusted to reflect the June 12, 2025, congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has developed off-model adjustment factors for NO_X, ROG, PM_{10}, and $PM_{2.5}$ that remove the estimated emissions benefits attributed to regulations. Emissions of these pollutants were separately quantified using the project-specific traffic data and emission factors from EMFAC2021 with the off-model adjustments per CARB's guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for mobile sources and the total operational emissions recalculated. Refer to Section A1.2.9 for the off-model calculations.

Moffett CUP Operation Phase 1, 2, and 3 Custom Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Moffett CUP Operation Phase 1, 2, and 3
Operational Year	2037
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	28.2
Location	37.40646021370499, -122.05214834788202
County	Santa Clara
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1702
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	290	1000sqft	10.2	290,000	0.00	0.00	—	—
Research & Development	1,140	1000sqft	0.00	1,140,000	0.00	0.00	—	—

University/College (4yr)	150	Student	0.00	220,000	0.00	0.00	—	—
General Office Building	25.0	1000sqft	1.10	25,000	0.00	0.00	—	—
Regional Shopping Center	70.0	1000sqft	0.60	70,000	0.00	0.00	—	—
Hotel	100	Room	0.00	75,000	0.00	0.00	—	—
Apartments Mid Rise	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	—
Enclosed Parking with Elevator	550	1000sqft	1.40	550,000	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Area Sources	AS-1	Use Low-VOC Cleaning Supplies
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment
Area Sources	AS-2	Use Low-VOC Paints

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	109	104	43.4	526	1.09	1.41	98.6	100	1.34	25.0	26.3	3,281	112,082	115,362	332	3.55	1,042	125,757
Mit.	84.4	81.5	42.6	423	1.09	1.23	98.6	99.8	1.21	25.0	26.2	3,281	111,658	114,939	332	3.55	1,042	125,332
% Reduced	22%	22%	2%	20%	1%	13%	—	< 0.5%	10%	—	1%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	89.2	86.2	46.5	396	1.03	1.23	98.6	99.8	1.21	25.0	26.2	3,281	106,142	109,423	332	3.86	967	119,842
Mit.	83.4	80.4	46.5	396	1.03	1.23	98.6	99.8	1.21	25.0	26.2	3,281	106,142	109,423	332	3.86	967	119,842
% Reduced	7%	7%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	90.8	87.4	26.9	339	0.84	0.54	92.8	93.4	0.49	23.5	24.0	3,281	85,392	88,672	331	3.45	997	98,975
Mit.	76.0	73.2	26.5	288	0.83	0.45	92.8	93.3	0.43	23.5	24.0	3,281	85,183	88,463	331	3.45	997	98,766
% Reduced	16%	16%	2%	15%	< 0.5%	17%	—	< 0.5%	14%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	16.6	16.0	4.91	61.9	0.15	0.10	16.9	17.0	0.09	4.30	4.39	543	14,138	14,681	54.8	0.57	165	16,387
Mit.	13.9	13.4	4.83	52.6	0.15	0.08	16.9	17.0	0.08	4.30	4.37	543	14,103	14,646	54.8	0.57	165	16,352
% Reduced	16%	16%	2%	15%	< 0.5%	17%	—	< 0.5%	14%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	40.0	37.2	23.1	322	0.90	0.38	98.6	99.0	0.35	25.0	25.3	—	91,174	91,174	2.87	3.19	77.0	92,274
Area	62.5	61.1	0.87	103	0.01	0.18	—	0.18	0.14	—	0.14	0.00	424	424	0.02	< 0.005	—	425
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	233	233	0.00	0.00	—	233
Water	—	—	—	—	—	—	—	—	—	—	—	79.7	1.72	81.4	8.17	0.19	—	343
Waste	—	—	—	—	—	—	—	—	—	—	—	3,201	0.00	3,201	320	0.00	—	11,199

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	965	965
Stationary	5.98	5.89	19.4	101	0.19	0.85	0.00	0.85	0.85	0.00	0.85	0.00	20,249	20,249	0.81	0.16	0.00	20,317
Total	109	104	43.4	526	1.09	1.41	98.6	100	1.34	25.0	26.3	3,281	112,082	115,362	332	3.55	1,042	125,757
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	39.0	36.1	27.1	295	0.84	0.38	98.6	99.0	0.35	25.0	25.3	—	85,658	85,658	3.19	3.51	2.00	86,785
Area	44.2	44.2	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	233	233	0.00	0.00	—	233
Water	—	—	—	—	—	—	—	—	—	—	—	79.7	1.72	81.4	8.17	0.19	—	343
Waste	—	—	—	—	—	—	—	—	—	—	—	3,201	0.00	3,201	320	0.00	—	11,199
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	965	965
Stationary	5.98	5.89	19.4	101	0.19	0.85	0.00	0.85	0.85	0.00	0.85	0.00	20,249	20,249	0.81	0.16	0.00	20,317
Total	89.2	86.2	46.5	396	1.03	1.23	98.6	99.8	1.21	25.0	26.2	3,281	106,142	109,423	332	3.86	967	119,842
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	37.0	34.3	24.5	278	0.81	0.36	92.8	93.2	0.34	23.5	23.9	—	82,867	82,867	2.92	3.24	31.9	83,938
Area	53.2	52.5	0.43	50.8	< 0.005	0.09	—	0.09	0.07	—	0.07	0.00	209	209	0.01	< 0.005	—	210
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	233	233	0.00	0.00	—	233
Water	—	—	—	—	—	—	—	—	—	—	—	79.7	1.72	81.4	8.17	0.19	—	343
Waste	—	—	—	—	—	—	—	—	—	—	—	3,201	0.00	3,201	320	0.00	—	11,199
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	965	965
Stationary	0.61	0.60	1.99	10.4	0.02	0.09	0.00	0.09	0.09	0.00	0.09	0.00	2,080	2,080	0.08	0.02	0.00	2,087
Total	90.8	87.4	26.9	339	0.84	0.54	92.8	93.4	0.49	23.5	24.0	3,281	85,392	88,672	331	3.45	997	98,975
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.75	6.26	4.46	50.7	0.15	0.07	16.9	17.0	0.06	4.30	4.36	—	13,720	13,720	0.48	0.54	5.28	13,897
Area	9.71	9.58	0.08	9.28	< 0.005	0.02	—	0.02	0.01	—	0.01	0.00	34.6	34.6	< 0.005	< 0.005	—	34.7
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	38.6	38.6	0.00	0.00	—	38.6

Water	—	—	—	—	—	—	—	—	—	—	—	13.2	0.28	13.5	1.35	0.03	—	56.9
Waste	—	—	—	—	—	—	—	—	—	—	—	530	0.00	530	53.0	0.00	—	1,854
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	160	160
Stationary	0.11	0.11	0.36	1.89	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	344	344	0.01	< 0.005	0.00	346
Total	16.6	16.0	4.91	61.9	0.15	0.10	16.9	17.0	0.09	4.30	4.39	543	14,138	14,681	54.8	0.57	165	16,387

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	40.0	37.2	23.1	322	0.90	0.38	98.6	99.0	0.35	25.0	25.3	—	91,174	91,174	2.87	3.19	77.0	92,274
Area	38.4	38.4	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	234	234	0.00	0.00	—	234
Water	—	—	—	—	—	—	—	—	—	—	—	79.7	1.72	81.4	8.17	0.19	—	343
Waste	—	—	—	—	—	—	—	—	—	—	—	3,201	0.00	3,201	320	0.00	—	11,199
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	965	965
Stationary	5.98	5.89	19.4	101	0.19	0.85	0.00	0.85	0.85	0.00	0.85	0.00	20,249	20,249	0.81	0.16	0.00	20,317
Total	84.4	81.5	42.6	423	1.09	1.23	98.6	99.8	1.21	25.0	26.2	3,281	111,658	114,939	332	3.55	1,042	125,332
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	39.0	36.1	27.1	295	0.84	0.38	98.6	99.0	0.35	25.0	25.3	—	85,658	85,658	3.19	3.51	2.00	86,785
Area	38.4	38.4	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	233	233	0.00	0.00	—	233
Water	—	—	—	—	—	—	—	—	—	—	—	79.7	1.72	81.4	8.17	0.19	—	343
Waste	—	—	—	—	—	—	—	—	—	—	—	3,201	0.00	3,201	320	0.00	—	11,199

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	965	965
Stationary	5.98	5.89	19.4	101	0.19	0.85	0.00	0.85	0.85	0.00	0.85	0.00	20,249	20,249	0.81	0.16	0.00	20,317
Total	83.4	80.4	46.5	396	1.03	1.23	98.6	99.8	1.21	25.0	26.2	3,281	106,142	109,423	332	3.86	967	119,842
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	37.0	34.3	24.5	278	0.81	0.36	92.8	93.2	0.34	23.5	23.9	—	82,867	82,867	2.92	3.24	31.9	83,938
Area	38.4	38.4	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	233	233	0.00	0.00	—	233
Water	—	—	—	—	—	—	—	—	—	—	—	79.7	1.72	81.4	8.17	0.19	—	343
Waste	—	—	—	—	—	—	—	—	—	—	—	3,201	0.00	3,201	320	0.00	—	11,199
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	965	965
Stationary	0.61	0.60	1.99	10.4	0.02	0.09	0.00	0.09	0.09	0.00	0.09	0.00	2,080	2,080	0.08	0.02	0.00	2,087
Total	76.0	73.2	26.5	288	0.83	0.45	92.8	93.3	0.43	23.5	24.0	3,281	85,183	88,463	331	3.45	997	98,766
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.75	6.26	4.46	50.7	0.15	0.07	16.9	17.0	0.06	4.30	4.36	—	13,720	13,720	0.48	0.54	5.28	13,897
Area	7.00	7.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	38.7	38.7	0.00	0.00	—	38.7
Water	—	—	—	—	—	—	—	—	—	—	—	13.2	0.28	13.5	1.35	0.03	—	56.9
Waste	—	—	—	—	—	—	—	—	—	—	—	530	0.00	530	53.0	0.00	—	1,854
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	160	160
Stationary	0.11	0.11	0.36	1.89	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	344	344	0.01	< 0.005	0.00	346
Total	13.9	13.4	4.83	52.6	0.15	0.08	16.9	17.0	0.08	4.30	4.37	543	14,103	14,646	54.8	0.57	165	16,352

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	233	233	0.00	0.00	—	233
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	233	233	0.00	0.00	—	233
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	233	233	0.00	0.00	—	233
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	233	233	0.00	0.00	—	233
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	38.6	38.6	0.00	0.00	—	38.6
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	38.6	38.6	0.00	0.00	—	38.6

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04	0.00	0.00	—	0.04
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	233	233	0.00	0.00	—	233
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03	0.00	0.00	—	0.03
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.08	0.08	0.00	0.00	—	0.08
Total	—	—	—	—	—	—	—	—	—	—	—	—	234	234	0.00	0.00	—	234
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	233	233	0.00	0.00	—	233
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	233	233	0.00	0.00	—	233
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	38.6	38.6	0.00	0.00	—	38.6

University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	38.7	38.7	0.00	0.00	—	38.7

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	39.0	39.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	5.21	5.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	18.4	16.9	0.87	103	0.01	0.18	—	0.18	0.14	—	0.14	—	424	424	0.02	< 0.005	—	425
Total	62.5	61.1	0.87	103	0.01	0.18	—	0.18	0.14	—	0.14	0.00	424	424	0.02	< 0.005	—	425
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	39.0	39.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.21	5.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	44.2	44.2	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	7.11	7.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.95	0.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.65	1.52	0.08	9.28	< 0.005	0.02	—	0.02	0.01	—	0.01	—	34.6	34.6	< 0.005	< 0.005	—	34.7
Total	9.71	9.58	0.08	9.28	< 0.005	0.02	—	0.02	0.01	—	0.01	0.00	34.6	34.6	< 0.005	< 0.005	—	34.7

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	36.0	36.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.32	2.32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	38.4	38.4	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	36.0	36.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.32	2.32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	38.4	38.4	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	6.58	6.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	0.42	0.42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	7.00	7.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	79.7	1.67	81.3	8.17	0.19	—	343
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.05	0.05	0.00	0.00	—	0.05
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclose Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	79.7	1.72	81.4	8.17	0.19	—	343
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	79.7	1.67	81.3	8.17	0.19	—	343
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.05	0.05	0.00	0.00	—	0.05
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	79.7	1.72	81.4	8.17	0.19	—	343
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	13.2	0.28	13.5	1.35	0.03	—	56.8
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.01	0.01	0.00	0.00	—	0.01
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	13.2	0.28	13.5	1.35	0.03	—	56.9

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	79.7	1.67	81.3	8.17	0.19	—	343
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.05	0.05	0.00	0.00	—	0.05
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	79.7	1.72	81.4	8.17	0.19	—	343
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	79.7	1.67	81.3	8.17	0.19	—	343

University/Colleg	—	—	—	—	—	—	—	—	—	—	—	0.00	0.05	0.05	0.00	0.00	—	0.05
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	79.7	1.72	81.4	8.17	0.19	—	343
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	13.2	0.28	13.5	1.35	0.03	—	56.8
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.01	0.01	0.00	0.00	—	0.01
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	13.2	0.28	13.5	1.35	0.03	—	56.9

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	3,201	0.00	3,201	320	0.00	—	11,199
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3,201	0.00	3,201	320	0.00	—	11,199
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	3,201	0.00	3,201	320	0.00	—	11,199
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3,201	0.00	3,201	320	0.00	—	11,199
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	530	0.00	530	53.0	0.00	—	1,854
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclose Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	530	0.00	530	53.0	0.00	—	1,854

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	3,201	0.00	3,201	320	0.00	—	11,199
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3,201	0.00	3,201	320	0.00	—	11,199
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	3,201	0.00	3,201	320	0.00	—	11,199
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3,201	0.00	3,201	320	0.00	—	11,199
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Research & Development	—	—	—	—	—	—	—	—	—	—	—	530	0.00	530	53.0	0.00	—	1,854
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	530	0.00	530	53.0	0.00	—	1,854

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.25	0.25
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	26.9	26.9
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.51	0.51
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23	0.23
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	937	937
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	965	965
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.25	0.25
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	26.9	26.9
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.51	0.51

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23	0.23
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	937	937
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	965	965
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.45	4.45
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08	0.08
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	155	155
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	160	160

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.25	0.25
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	26.9	26.9
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.51	0.51
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23	0.23
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	937	937
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	965	965
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.25	0.25
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	26.9	26.9
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.51	0.51
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23	0.23
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	937	937
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	965	965
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04

Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.45	4.45
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08	0.08
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	155	155
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	160	160

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	5.98	5.89	19.4	101	0.19	0.85	0.00	0.85	0.85	0.00	0.85	0.00	20,249	20,249	0.81	0.16	0.00	20,317

Total	5.98	5.89	19.4	101	0.19	0.85	0.00	0.85	0.85	0.00	0.85	0.00	20,249	20,249	0.81	0.16	0.00	20,317
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	5.98	5.89	19.4	101	0.19	0.85	0.00	0.85	0.85	0.00	0.85	0.00	20,249	20,249	0.81	0.16	0.00	20,317
Total	5.98	5.89	19.4	101	0.19	0.85	0.00	0.85	0.85	0.00	0.85	0.00	20,249	20,249	0.81	0.16	0.00	20,317
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.11	0.11	0.36	1.89	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	344	344	0.01	< 0.005	0.00	346
Total	0.11	0.11	0.36	1.89	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	344	344	0.01	< 0.005	0.00	346

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	5.98	5.89	19.4	101	0.19	0.85	0.00	0.85	0.85	0.00	0.85	0.00	20,249	20,249	0.81	0.16	0.00	20,317
Total	5.98	5.89	19.4	101	0.19	0.85	0.00	0.85	0.85	0.00	0.85	0.00	20,249	20,249	0.81	0.16	0.00	20,317
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	5.98	5.89	19.4	101	0.19	0.85	0.00	0.85	0.85	0.00	0.85	0.00	20,249	20,249	0.81	0.16	0.00	20,317

Total	5.98	5.89	19.4	101	0.19	0.85	0.00	0.85	0.85	0.00	0.85	0.00	20,249	20,249	0.81	0.16	0.00	20,317
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.11	0.11	0.36	1.89	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	344	344	0.01	< 0.005	0.00	346
Total	0.11	0.11	0.36	1.89	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	344	344	0.01	< 0.005	0.00	346

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	16,592	16,592	16,592	5,807,200	139,790	139,790	139,790	48,926,500

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	16,592	16,592	16,592	5,807,200	139,790	139,790	139,790	48,926,500

5.10. Operational Area Sources

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	2,732,744	910,305	3,659

5.10.3. Landscape Equipment

Season	Unit	Value

Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Office Park	0.00	1.79	0.0000	0.0000	0.00
Research & Development	47,680,628	1.79	0.0000	0.0000	0.00
University/College (4yr)	0.00	1.79	0.0000	0.0000	0.00
General Office Building	0.00	1.79	0.0000	0.0000	0.00
Regional Shopping Center	0.00	1.79	0.0000	0.0000	0.00
Hotel	0.00	1.79	0.0000	0.0000	0.00
Apartments Mid Rise	0.00	1.79	0.0000	0.0000	0.00
Enclosed Parking with Elevator	0.00	1.79	0.0000	0.0000	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Office Park	0.00	1.79	0.0000	0.0000	0.00
Research & Development	47,680,628	1.79	0.0000	0.0000	0.00

University/College (4yr)	0.00	1.79	0.0000	0.0000	0.00
General Office Building	0.00	1.79	0.0000	0.0000	0.00
Regional Shopping Center	0.00	1.79	0.0000	0.0000	0.00
Hotel	0.00	1.79	0.0000	0.0000	0.00
Apartments Mid Rise	0.00	1.79	0.0000	0.0000	0.00
Enclosed Parking with Elevator	0.00	1.79	0.0000	0.0000	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Office Park	0.00	0.00
Research & Development	41,566,900	14,457,300
University/College (4yr)	0.00	2,685,500
General Office Building	0.00	0.00
Regional Shopping Center	0.00	0.00
Hotel	0.00	0.00
Apartments Mid Rise	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Office Park	0.00	0.00
Research & Development	41,566,900	14,457,300
University/College (4yr)	0.00	2,685,500
General Office Building	0.00	0.00
Regional Shopping Center	0.00	0.00

Hotel	0.00	0.00
Apartments Mid Rise	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	0.00	—
Research & Development	5,939	—
University/College (4yr)	0.00	—
General Office Building	0.00	—
Regional Shopping Center	0.00	—
Hotel	0.00	—
Apartments Mid Rise	0.00	—
Enclosed Parking with Elevator	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	0.00	—
Research & Development	5,939	—
University/College (4yr)	0.00	—
General Office Building	0.00	—
Regional Shopping Center	0.00	—
Hotel	0.00	—
Apartments Mid Rise	0.00	—
Enclosed Parking with Elevator	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Research & Development	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Enclosed Parking with Elevator	Chillers	User Defined	630	12.7	1.00	1.00	20.0
Enclosed Parking with Elevator	Other commercial A/C and heat pumps	User Defined	466	15.3	1.00	1.00	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Research & Development	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Enclosed Parking with Elevator	Chillers	User Defined	630	12.7	1.00	1.00	20.0
Enclosed Parking with Elevator	Other commercial A/C and heat pumps	User Defined	466	15.3	1.00	1.00	18.0

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	9.00	4.00	150	670	0.73

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	Project in urban environment
Land Use	Office acres include acres for office, R&D, and academic. Active use acres partially shared with R&D acres. No housing during Phase 1+2+3.
Construction: Construction Phases	Data provided by SKS
Construction: Off-Road Equipment	Data provided by SKS. Accounts for project design feature of Tier 4 engines (equipment greater than 25 HP).
Construction: Dust From Material Movement	Data provided by SKS. Accounts for CBP AIR-2.
Construction: Trips and VMT	Data provided by SKS. Defaults used where project-specific inputs not available.
Construction: Paving	Data provided by SKS
Construction: On-Road Fugitive Dust	Accounts for CBP AIR-2. Silt loading modified per BAAQMD CEQA Guidelines.
Construction: Architectural Coatings	Distributed coating square footages to phases based on buildings constructed in each phase.
Characteristics: Utility Information	Per PG&E's 2023 PCL adjusted to account for RPS. CO2 is CO2e.
Operations: Energy Use	Energy consumption value is for all project land uses (estimates by building type not available). Estimate provided by SKS and accounts for energy efficiency and renewable energy project design elements. No building natural gas consumption.
Operations: Water and Waste Water	Indoor and outdoor water consumption values are for all project land uses (estimates by building type not available). Indoor estimate modeled under R&D land use type. Outdoor water estimate modeled under University land use type. Outdoor intensity factors adjusted to account for use of reclaimed water (no supply). Estimates provided by SKS and account for water efficiency project design elements. Cooling tower water estimate modeled under R&D land use type (outdoor, not reclaimed).
Operations: Solid Waste	Waste generation value is for all project land uses (estimates by building type not available). Estimate provided by SKS and accounts for waste reduction project design elements.

Operations: Refrigerants	Refrigerant quantities for project-wide Centrifugal Chillers and Heat Pumps at the CUP provided by SKS and modeled under Parking land use type. Default pumps from other land use types removed to avoid double counting. Defaults retained for building refrigerators and freezers.
Operations: Generators + Pumps EF	TOG/ROG, NOx, and PM emission factors revised for Tier 4 generator standards per Cal. Code Regs. Tit. 13, § 242 Generator Standards.
Operations: Emergency Generators and Fire Pumps	Data per SKS. 2-4 hr./mo. (testing) (50 annual hours); 100 hrs./year (emergency per BAAQMD) = 150 total annual hours per generator. Added generator that would operate at the CUP.
Operations: Hearths	No hearth

B1.2.2 Full-Build Operations CalEEMod Output

The CalEEMod output presents model inputs and outputs for operation of the CEQA Proposed Project with the CUP Option under full-build conditions (2040).

Note that the mitigated condition does not account for Mitigation Measure TRAN-1. Based on modeling from Fehr & Peers, the measure would achieve a 7.5 percent reduction in trips and VMT (Tan pers. comm. [A]). Accordingly, mobile-source emissions from CalEEMod were manually reduced by 7.5 percent to account for implementation of Mitigation Measure TRAN-1.

Neither total operation nor mobile-source emissions results in the CalEEMod output are adjusted to reflect the June 12, 2025, congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has developed off-model adjustment factors for NO_X, ROG, PM_{10}, and $PM_{2.5}$ that remove the estimated emissions benefits attributed to regulations. Emissions of these pollutants were separately quantified using the project-specific traffic data and emission factors from EMFAC2021 with the off-model adjustments per CARB's guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for mobile sources and the total operational emissions recalculated. Refer to Section A1.2.9 for the off-model calculations.

Moffett CUP Operation Full Build Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Moffett CUP Operation Full Build
Operational Year	2040
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	28.2
Location	37.40646021370499, -122.05214834788202
County	Santa Clara
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1702
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	350	1000sqft	12.7	350,000	0.00	0.00	—	—
Research & Development	1,390	1000sqft	0.00	1,390,000	0.00	0.00	—	—

University/College (4yr)	177	Student	0.00	260,000	0.00	0.00	—	—
General Office Building	25.0	1000sqft	1.10	25,000	0.00	0.00	—	—
Regional Shopping Center	90.0	1000sqft	0.60	90,000	0.00	0.00	—	—
Hotel	100	Room	0.00	75,000	0.00	0.00	—	—
Apartments Mid Rise	145	Dwelling Unit	0.00	130,000	0.00	0.00	0.00	—
Enclosed Parking with Elevator	1,080	1000sqft	2.80	1,080,000	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Area Sources	AS-1	Use Low-VOC Cleaning Supplies
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment
Area Sources	AS-2	Use Low-VOC Paints

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	138	133	56.4	686	1.38	1.91	124	125	1.82	31.3	33.1	4,086	141,920	146,006	413	4.37	1,038	158,677
Mit.	105	102	55.1	536	1.37	1.66	124	125	1.63	31.3	32.9	4,086	141,314	145,400	413	4.36	1,038	158,068
% Reduced	24%	24%	2%	22%	1%	13%	—	< 0.5%	11%	—	1%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	111	108	59.8	502	1.31	1.66	124	125	1.63	31.3	32.9	4,086	134,506	138,592	414	4.74	982	151,328
Mit.	104	100	59.8	502	1.31	1.66	124	125	1.63	31.3	32.9	4,086	134,506	138,592	414	4.74	982	151,328
% Reduced	6%	7%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	114	110	32.1	425	1.03	0.66	116	117	0.60	29.5	30.1	4,086	105,150	109,236	412	4.22	1,004	121,803
Mit.	93.7	90.5	31.5	351	1.03	0.53	116	117	0.51	29.5	30.0	4,086	104,851	108,937	412	4.22	1,004	121,503
% Reduced	18%	17%	2%	17%	< 0.5%	19%	—	< 0.5%	16%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	20.8	20.0	5.86	77.6	0.19	0.12	21.2	21.3	0.11	5.38	5.49	676	17,409	18,085	68.3	0.70	166	20,166
Mit.	17.1	16.5	5.75	64.1	0.19	0.10	21.2	21.3	0.09	5.38	5.47	676	17,359	18,036	68.2	0.70	166	20,116
% Reduced	18%	17%	2%	17%	< 0.5%	19%	—	< 0.5%	16%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	47.0	43.8	27.1	390	1.10	0.42	124	124	0.40	31.3	31.7	—	111,769	111,769	3.37	3.84	57.1	113,055
Area	82.5	80.5	1.27	150	0.01	0.26	—	0.26	0.19	—	0.19	0.00	607	607	0.03	0.01	—	609
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	293	293	0.00	0.00	—	293
Water	—	—	—	—	—	—	—	—	—	—	—	119	2.47	122	12.2	0.29	—	515
Waste	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	981	981
Stationary	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Total	138	133	56.4	686	1.38	1.91	124	125	1.82	31.3	33.1	4,086	141,920	146,006	413	4.37	1,038	158,677
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	46.0	42.6	31.8	356	1.03	0.42	124	124	0.40	31.3	31.7	—	104,962	104,962	3.72	4.22	1.48	106,316
Area	56.4	56.4	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	293	293	0.00	0.00	—	293
Water	—	—	—	—	—	—	—	—	—	—	—	119	2.47	122	12.2	0.29	—	515
Waste	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	981	981
Stationary	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Total	111	108	59.8	502	1.31	1.66	124	125	1.63	31.3	32.9	4,086	134,506	138,592	414	4.74	982	151,328
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	43.6	40.4	28.6	336	1.00	0.41	116	117	0.38	29.5	29.9	—	101,550	101,550	3.42	3.90	23.6	102,821
Area	69.3	68.3	0.63	74.2	< 0.005	0.13	—	0.13	0.10	—	0.10	0.00	299	299	0.01	< 0.005	—	300
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	293	293	0.00	0.00	—	293
Water	—	—	—	—	—	—	—	—	—	—	—	119	2.47	122	12.2	0.29	—	515
Waste	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	981	981
Stationary	0.89	0.87	2.88	15.0	0.03	0.13	0.00	0.13	0.13	0.00	0.13	0.00	3,005	3,005	0.12	0.02	0.00	3,015
Total	114	110	32.1	425	1.03	0.66	116	117	0.60	29.5	30.1	4,086	105,150	109,236	412	4.22	1,004	121,803
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.95	7.37	5.22	61.3	0.18	0.07	21.2	21.3	0.07	5.38	5.45	—	16,813	16,813	0.57	0.65	3.91	17,023
Area	12.6	12.5	0.11	13.5	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	49.5	49.5	< 0.005	< 0.005	—	49.7
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	48.5	48.5	0.00	0.00	—	48.5

Water	—	—	—	—	—	—	—	—	—	—	—	19.8	0.41	20.2	2.03	0.05	—	85.2
Waste	—	—	—	—	—	—	—	—	—	—	—	657	0.00	657	65.6	0.00	—	2,298
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	162	162
Stationary	0.16	0.16	0.53	2.73	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.00	498	498	0.02	< 0.005	0.00	499
Total	20.8	20.0	5.86	77.6	0.19	0.12	21.2	21.3	0.11	5.38	5.49	676	17,409	18,085	68.3	0.70	166	20,166

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	47.0	43.8	27.1	390	1.10	0.42	124	124	0.40	31.3	31.7	—	111,769	111,769	3.37	3.84	57.1	113,055
Area	49.2	49.2	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	294	294	0.00	0.00	—	294
Water	—	—	—	—	—	—	—	—	—	—	—	119	2.47	122	12.2	0.29	—	515
Waste	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	981	981
Stationary	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Total	105	102	55.1	536	1.37	1.66	124	125	1.63	31.3	32.9	4,086	141,314	145,400	413	4.36	1,038	158,068
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	46.0	42.6	31.8	356	1.03	0.42	124	124	0.40	31.3	31.7	—	104,962	104,962	3.72	4.22	1.48	106,316
Area	49.2	49.2	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	293	293	0.00	0.00	—	293
Water	—	—	—	—	—	—	—	—	—	—	—	119	2.47	122	12.2	0.29	—	515
Waste	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	981	981
Stationary	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Total	104	100	59.8	502	1.31	1.66	124	125	1.63	31.3	32.9	4,086	134,506	138,592	414	4.74	982	151,328
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	43.6	40.4	28.6	336	1.00	0.41	116	117	0.38	29.5	29.9	—	101,550	101,550	3.42	3.90	23.6	102,821
Area	49.2	49.2	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	293	293	0.00	0.00	—	293
Water	—	—	—	—	—	—	—	—	—	—	—	119	2.47	122	12.2	0.29	—	515
Waste	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	981	981
Stationary	0.89	0.87	2.88	15.0	0.03	0.13	0.00	0.13	0.13	0.00	0.13	0.00	3,005	3,005	0.12	0.02	0.00	3,015
Total	93.7	90.5	31.5	351	1.03	0.53	116	117	0.51	29.5	30.0	4,086	104,851	108,937	412	4.22	1,004	121,503
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.95	7.37	5.22	61.3	0.18	0.07	21.2	21.3	0.07	5.38	5.45	—	16,813	16,813	0.57	0.65	3.91	17,023
Area	8.99	8.99	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	48.6	48.6	0.00	0.00	—	48.6
Water	—	—	—	—	—	—	—	—	—	—	—	19.8	0.41	20.2	2.03	0.05	—	85.2
Waste	—	—	—	—	—	—	—	—	—	—	—	657	0.00	657	65.6	0.00	—	2,298
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	162	162
Stationary	0.16	0.16	0.53	2.73	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.00	498	498	0.02	< 0.005	0.00	499
Total	17.1	16.5	5.75	64.1	0.19	0.10	21.2	21.3	0.09	5.38	5.47	676	17,359	18,036	68.2	0.70	166	20,116

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	293	293	0.00	0.00	—	293
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	293	293	0.00	0.00	—	293
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	293	293	0.00	0.00	—	293
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	293	293	0.00	0.00	—	293
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	48.5	48.5	0.00	0.00	—	48.5
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	48.5	48.5	0.00	0.00	—	48.5

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05	0.00	0.00	—	0.05
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	293	293	0.00	0.00	—	293
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04	0.00	0.00	—	0.04
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02	0.00	0.00	—	0.02
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.15	0.15	0.00	0.00	—	0.15
Total	—	—	—	—	—	—	—	—	—	—	—	—	294	294	0.00	0.00	—	294
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	293	293	0.00	0.00	—	293
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	293	293	0.00	0.00	—	293
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	48.6	48.6	0.00	0.00	—	48.6

University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	48.6	48.6	0.00	0.00	—	48.6

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	49.7	49.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	6.78	6.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	26.1	24.1	1.27	150	0.01	0.26	—	0.26	0.19	—	0.19	—	607	607	0.03	0.01	—	609
Total	82.5	80.5	1.27	150	0.01	0.26	—	0.26	0.19	—	0.19	0.00	607	607	0.03	0.01	—	609
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	49.7	49.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	6.78	6.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	56.4	56.4	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	9.06	9.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.24	1.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.35	2.17	0.11	13.5	< 0.005	0.02	—	0.02	0.02	—	0.02	—	49.5	49.5	< 0.005	< 0.005	—	49.7
Total	12.6	12.5	0.11	13.5	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	49.5	49.5	< 0.005	< 0.005	—	49.7

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	45.9	45.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	3.30	3.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	49.2	49.2	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	45.9	45.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	3.30	3.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	49.2	49.2	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	8.39	8.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	0.60	0.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	8.99	8.99	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	119	2.40	122	12.2	0.29	—	515
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.06	0.06	0.00	0.00	—	0.06
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclose Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	119	2.47	122	12.2	0.29	—	515
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	119	2.40	122	12.2	0.29	—	515
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.06	0.06	0.00	0.00	—	0.06
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	119	2.47	122	12.2	0.29	—	515
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	19.8	0.40	20.2	2.03	0.05	—	85.2
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.01	0.01	0.00	0.00	—	0.01
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	19.8	0.41	20.2	2.03	0.05	—	85.2

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	119	2.40	122	12.2	0.29	—	515
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.06	0.06	0.00	0.00	—	0.06
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	119	2.47	122	12.2	0.29	—	515
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	119	2.40	122	12.2	0.29	—	515

University/Colleg	—	—	—	—	—	—	—	—	—	—	—	0.00	0.06	0.06	0.00	0.00	—	0.06
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	119	2.47	122	12.2	0.29	—	515
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Developm	— ent	—	—	—	—	—	—	—	—	—	—	19.8	0.40	20.2	2.03	0.05	—	85.2
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.01	0.01	0.00	0.00	—	0.01
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	19.8	0.41	20.2	2.03	0.05	—	85.2

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

General Office Building	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	657	0.00	657	65.6	0.00	—	2,298
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclose Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	657	0.00	657	65.6	0.00	—	2,298

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Researc & Developm ent	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Universit y/Colleg e (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	657	0.00	657	65.6	0.00	—	2,298
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	657	0.00	657	65.6	0.00	—	2,298

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30	0.30
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	32.7	32.7
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.60	0.60
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.93	0.93
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	946	946
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	981	981
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30	0.30
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	32.7	32.7

University/Colleg	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.60	0.60
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.93	0.93
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	946	946
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	981	981
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.42	5.42
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.15	0.15
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	157	157
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	162	162

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30	0.30
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	32.7	32.7
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.60	0.60
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02

Regiona Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.93	0.93
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	946	946
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	981	981
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30	0.30
Researc h & Developm ent	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	32.7	32.7
Universit y/Colleg e (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.60	0.60
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.93	0.93

Enclose Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	946	946
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	981	981
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.42	5.42
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.15	0.15
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	157	157
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	162	162

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Total	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Total	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.16	0.16	0.53	2.73	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.00	498	498	0.02	< 0.005	0.00	499
Total	0.16	0.16	0.53	2.73	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.00	498	498	0.02	< 0.005	0.00	499

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Total	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Total	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.16	0.16	0.53	2.73	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.00	498	498	0.02	< 0.005	0.00	499
Total	0.16	0.16	0.53	2.73	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.00	498	498	0.02	< 0.005	0.00	499

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	20,797	20,797	20,797	7,278,950	175,220	175,220	175,220	61,327,000

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year

Total all Land Uses	20,797	20,797	20,797	7,278,950	175,220	175,220	175,220	61,327,000

5.10. Operational Area Sources

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
263250	87,750	3,290,489	1,095,610	7,318

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Office Park	0.00	1.79	0.0000	0.0000	0.00
Research & Development	59,914,251	1.79	0.0000	0.0000	0.00
University/College (4yr)	0.00	1.79	0.0000	0.0000	0.00
General Office Building	0.00	1.79	0.0000	0.0000	0.00

Regional Shopping Center	0.00	1.79	0.0000	0.0000	0.00
Hotel	0.00	1.79	0.0000	0.0000	0.00
Apartments Mid Rise	0.00	1.79	0.0000	0.0000	0.00
Enclosed Parking with Elevator	0.00	1.79	0.0000	0.0000	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Office Park	0.00	1.79	0.0000	0.0000	0.00
Research & Development	59,914,251	1.79	0.0000	0.0000	0.00
University/College (4yr)	0.00	1.79	0.0000	0.0000	0.00
General Office Building	0.00	1.79	0.0000	0.0000	0.00
Regional Shopping Center	0.00	1.79	0.0000	0.0000	0.00
Hotel	0.00	1.79	0.0000	0.0000	0.00
Apartments Mid Rise	0.00	1.79	0.0000	0.0000	0.00
Enclosed Parking with Elevator	0.00	1.79	0.0000	0.0000	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Office Park	0.00	0.00
Research & Development	62,306,700	17,700,000
University/College (4yr)	0.00	3,456,400
General Office Building	0.00	0.00
Regional Shopping Center	0.00	0.00
Hotel	0.00	0.00

Apartments Mid Rise	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Office Park	0.00	0.00
Research & Development	62,306,700	17,700,000
University/College (4yr)	0.00	3,456,400
General Office Building	0.00	0.00
Regional Shopping Center	0.00	0.00
Hotel	0.00	0.00
Apartments Mid Rise	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	0.00	—
Research & Development	0.00	—
University/College (4yr)	0.00	—
General Office Building	7,360	—
Regional Shopping Center	0.00	—
Hotel	0.00	—
Apartments Mid Rise	0.00	—
Enclosed Parking with Elevator	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	0.00	—
Research & Development	0.00	—
University/College (4yr)	0.00	—
General Office Building	7,360	—
Regional Shopping Center	0.00	—
Hotel	0.00	—
Apartments Mid Rise	0.00	—
Enclosed Parking with Elevator	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Research & Development	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00

Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Enclosed Parking with Elevator	Chillers	User Defined	630	6.52	1.00	1.00	20.0
Enclosed Parking with Elevator	Other commercial A/C and heat pumps	User Defined	466	7.84	1.00	1.00	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Research & Development	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Enclosed Parking with Elevator	Chillers	User Defined	630	6.52	1.00	1.00	20.0
Enclosed Parking with Elevator	Other commercial A/C and heat pumps	User Defined	466	7.84	1.00	1.00	18.0

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	13.0	4.00	150	670	0.73

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	Project in urban environment
Land Use	Office acres include acres for office, R&D, and academic. Active use acres partially shared with R&D acres.

Construction: Construction Phases	Data provided by SKS
Construction: Off-Road Equipment	Data provided by SKS. Accounts for project design feature of Tier 4 engines (equipment greater than 25 HP).
Construction: Dust From Material Movement	Data provided by SKS. Accounts for CBP AIR-2.
Construction: Trips and VMT	Data provided by SKS. Defaults used where project-specific inputs not available.
Construction: Paving	Data provided by SKS
Construction: On-Road Fugitive Dust	Accounts for CBP AIR-2. Silt loading modified per BAAQMD CEQA Guidelines.
Construction: Architectural Coatings	Distributed coating square footages to phases based on buildings constructed in each phase.
Characteristics: Utility Information	Per PG&E's 2023 PCL adjusted to account for RPS. CO2 is CO2e.
Operations: Energy Use	Energy consumption value is for all project land uses (estimates by building type not available). Estimate provided by SKS and accounts for energy efficiency and renewable energy project design elements. No building natural gas consumption.
Operations: Water and Waste Water	Indoor and outdoor water consumption values are for all project land uses (estimates by building type not available). Indoor estimate modeled under R&D land use type. Outdoor water estimate modeled under University land use type. Outdoor intensity factors adjusted to account for use of reclaimed water (no supply). Estimates provided by SKS and account for water efficiency project design elements. Cooling tower water estimate modeled under R&D land use type (outdoor, not reclaimed).
Operations: Solid Waste	Waste generation value is for all project land uses (estimates by building type not available). Estimate provided by SKS and accounts for waste reduction project design elements.
Operations: Refrigerants	Refrigerant quantities for project-wide Centrifugal Chillers and Heat Pumps at the CUP provided by SKS and modeled under Parking land use type. Default pumps from other land use types removed to avoid double counting. Defaults retained for building refrigerators and freezers.
Operations: Generators + Pumps EF	TOG/ROG, NOx, and PM emission factors revised for Tier 4 generator standards per Cal. Code Regs. Tit. 13, § 242 Generator Standards.
Operations: Emergency Generators and Fire Pumps	Data per SKS. 2-4 hr./mo. (testing) (50 annual hours); 100 hrs./year (emergency per BAAQMD) = 150 total annual hours per generator. Added generator that would operate at the CUP.
Operations: Hearths	No hearth

C.1 CEQA Proposed Project (NEPA Build Alternative 1) with WRF Option

C1.1 Construction

The WRF would be located within the footprint of a parking garage constructed under the CEQA Proposed Project. Thus, there would be no additional site disturbance, material movement, or architectural coating, and the construction activity inputs and emissions presented for the CEQA Proposed Project in Sections A1.1.2 through A1.1.6 would also occur under with the WRF Option. Refer to these sections for additional information.

Construction of the WRF would require additional off-road equipment and on-road vehicles beyond what is required for construction of the CEQA Proposed Project during Phase 4. These emissions were quantified in CalEEMod using the phasing details summarized in Section C1.1.1. Section C1.1.2 presents the CalEEMod output, and Section C1.1.3 presents the adjusted mobile-source calculations.

C1.1.1 Phase and Sub-Phase Codes

Table C-1 identifies the sub-phases and modeling codes for the additional construction phases that would occur under the CEQA Proposed Project with the WRF Option.

Table C-1. Additional Construction Sub-Phases and Modeling Codes for the CEQA Proposed Project with the WRF Option

Phase	Sub-Phase	Code	Description
4	A	WRF-A	WRF – Site Preparation
4	B	WRF-B	WRF – Grading
4	C	WRF-C	WRF – Vertical Construction

C1.1.2 Additional WRF Construction CalEEMod Output

The CalEEMod output presents model inputs and outputs for additional construction of the CEQA Proposed Project with the WRF Option, Phase 4. These emissions were added to those quantified for the CEQA Proposed Project, Phase 4 (see Section A1.1.5).

Neither total construction nor mobile-source emissions results in the CalEEMod output are adjusted to reflect the June 12, 2025, congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has developed off-model adjustment factors for NO_X, ROG, PM_{10}, and $PM_{2.5}$ that remove the estimated emissions benefits attributed to regulations. Emissions of these pollutants were separately quantified using the CalEEMod trip and milage inventory and emission factors from EMFAC2021 with the off-model adjustments per CARB's guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for mobile sources and the total phase emissions recalculated. Refer to Section C1.1.3 for the off-model calculations.

Moffett WRF Construction Custom Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Moffett WRF Construction
Construction Start Date	1/1/2037
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	28.2
Location	37.40646021370499, -122.05214834788202
County	Santa Clara
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1702
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
User Defined Industrial	15,000	User Defined Unit	0.00	15,000	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-1-A	Use Electric or Hybrid Powered Equipment
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-4*	Use Local and Sustainable Building Materials
Construction	C-5	Use Advanced Engine Tiers
Construction	C-10-C	Water Unpaved Construction Roads
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.68	2.23	25.5	37.9	0.06	0.19	0.26	0.44	0.17	0.06	0.23	—	5,735	5,735	0.23	0.05	0.07	5,757
Mit.	0.18	0.18	0.93	12.7	0.02	0.03	0.26	0.29	0.03	0.06	0.10	—	1,871	1,871	0.07	0.02	0.07	1,879
% Reduced	93%	92%	96%	67%	73%	81%	—	34%	80%	—	58%	—	67%	67%	68%	61%	—	67%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.11	3.43	37.5	55.9	0.09	0.58	2.04	2.62	0.53	0.50	1.04	—	8,465	8,465	0.34	0.07	0.01	8,495
Mit.	0.55	0.54	6.75	28.6	0.04	0.07	2.04	2.11	0.07	0.50	0.57	—	4,330	4,330	0.17	0.04	0.01	4,345
% Reduced	87%	84%	82%	49%	58%	88%	—	19%	86%	—	44%	—	49%	49%	51%	48%	—	49%

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.77	1.47	16.7	24.8	0.04	0.14	0.27	0.41	0.13	0.07	0.20	—	3,747	3,747	0.15	0.03	0.03	3,761
Mit.	0.14	0.14	0.95	9.23	0.01	0.02	0.27	0.29	0.02	0.07	0.09	—	1,368	1,368	0.05	0.01	0.03	1,374
% Reduced	92%	91%	94%	63%	70%	83%	—	29%	81%	—	54%	—	63%	63%	64%	57%	—	63%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.32	0.27	3.04	4.52	0.01	0.03	0.05	0.07	0.02	0.01	0.04	—	620	620	0.02	0.01	< 0.005	623
Mit.	0.03	0.03	0.17	1.68	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	227	227	0.01	< 0.005	< 0.005	227
% Reduced	92%	91%	94%	63%	70%	83%	—	29%	81%	—	54%	—	63%	63%	64%	57%	—	63%

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2037	2.68	2.23	25.5	37.9	0.06	0.19	0.26	0.44	0.17	0.06	0.23	—	5,735	5,735	0.23	0.05	0.07	5,757
2038	2.67	2.22	25.4	37.9	0.06	0.17	0.26	0.43	0.16	0.06	0.22	—	5,734	5,734	0.23	0.05	0.06	5,755
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2037	4.11	3.43	37.5	55.9	0.09	0.58	2.04	2.62	0.53	0.50	1.04	—	8,465	8,465	0.34	0.07	0.01	8,495
2038	2.67	2.22	25.4	37.8	0.06	0.17	0.26	0.43	0.16	0.06	0.22	—	5,731	5,731	0.23	0.05	< 0.005	5,752
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2037	1.77	1.47	16.7	24.8	0.04	0.14	0.27	0.41	0.13	0.07	0.20	—	3,747	3,747	0.15	0.03	0.03	3,761
2038	0.79	0.66	7.56	11.3	0.02	0.05	0.07	0.13	0.05	0.02	0.07	—	1,705	1,705	0.07	0.02	0.01	1,711
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2037	0.32	0.27	3.04	4.52	0.01	0.03	0.05	0.07	0.02	0.01	0.04	—	620	620	0.02	0.01	< 0.005	623
2038	0.15	0.12	1.38	2.05	< 0.005	0.01	0.01	0.02	0.01	< 0.005	0.01	—	282	282	0.01	< 0.005	< 0.005	283

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2037	0.18	0.18	0.93	12.7	0.02	0.03	0.26	0.29	0.03	0.06	0.10	—	1,871	1,871	0.07	0.02	0.07	1,879
2038	0.18	0.18	0.93	12.7	0.02	0.03	0.26	0.29	0.03	0.06	0.10	—	1,870	1,870	0.07	0.02	0.06	1,878
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2037	0.55	0.54	6.75	28.6	0.04	0.07	2.04	2.11	0.07	0.50	0.57	—	4,330	4,330	0.17	0.04	0.01	4,345
2038	0.18	0.18	0.93	12.7	0.02	0.03	0.26	0.29	0.03	0.06	0.10	—	1,867	1,867	0.07	0.02	< 0.005	1,875
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2037	0.14	0.14	0.95	9.23	0.01	0.02	0.27	0.29	0.02	0.07	0.09	—	1,368	1,368	0.05	0.01	0.03	1,374
2038	0.05	0.05	0.28	3.77	0.01	0.01	0.07	0.08	0.01	0.02	0.03	—	555	555	0.02	0.01	0.01	558
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2037	0.03	0.03	0.17	1.68	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	227	227	0.01	< 0.005	< 0.005	227
2038	0.01	0.01	0.05	0.69	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	0.01	—	92.0	92.0	< 0.005	< 0.005	< 0.005	92.4

3. Construction Emissions Details

3.1. Site Preparation (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.37	1.15	12.0	17.5	0.02	0.29	—	0.29	0.27	—	0.27	—	2,531	2,531	0.10	0.02	—	2,540
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.72	1.05	< 0.005	0.02	—	0.02	0.02	—	0.02	—	153	153	0.01	< 0.005	—	153
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.13	0.19	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.3	25.3	< 0.005	< 0.005	—	25.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	12.3	12.3	< 0.005	< 0.005	0.01	12.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.03	2.03	< 0.005	< 0.005	< 0.005	2.04
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.01	0.01	0.20	0.83	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	118	118	< 0.005	< 0.005	—	119
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	19.6	19.6	< 0.005	< 0.005	—	19.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	12.3	12.3	< 0.005	< 0.005	0.01	12.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.03	2.03	< 0.005	< 0.005	< 0.005	2.04
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.37	1.15	12.0	17.5	0.02	0.29	—	0.29	0.27	—	0.27	—	2,531	2,531	0.10	0.02	—	2,540
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.65	0.96	< 0.005	0.02	—	0.02	0.01	—	0.01	—	139	139	0.01	< 0.005	—	139
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.12	0.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23.0	23.0	< 0.005	< 0.005	—	23.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	11.1	11.1	< 0.005	< 0.005	0.01	11.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	1.85	1.85	< 0.005	< 0.005	< 0.005	1.85
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Grading (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.18	0.75	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	108	108	< 0.005	< 0.005	—	108
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.8	17.8	< 0.005	< 0.005	—	17.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	11.1	11.1	< 0.005	< 0.005	0.01	11.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	1.85	1.85	< 0.005	< 0.005	< 0.005	1.85
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.67	2.22	25.5	37.7	0.06	0.18	—	0.18	0.17	—	0.17	—	5,654	5,654	0.23	0.05	—	5,674
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.67	2.22	25.5	37.7	0.06	0.18	—	0.18	0.17	—	0.17	—	5,654	5,654	0.23	0.05	—	5,674
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.60	1.33	15.2	22.6	0.04	0.11	—	0.11	0.10	—	0.10	—	3,386	3,386	0.14	0.03	—	3,398
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.24	2.78	4.12	0.01	0.02	—	0.02	0.02	—	0.02	—	561	561	0.02	< 0.005	—	563

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	43.4	43.4	< 0.005	< 0.005	0.04	43.6
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	37.6	37.6	< 0.005	0.01	0.02	39.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	40.2	40.2	< 0.005	< 0.005	< 0.005	40.4
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	37.6	37.6	< 0.005	0.01	< 0.005	39.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	24.4	24.4	< 0.005	< 0.005	0.01	24.5
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	22.5	22.5	< 0.005	< 0.005	0.01	23.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.03	4.03	< 0.005	< 0.005	< 0.005	4.05
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	3.73	3.73	< 0.005	< 0.005	< 0.005	3.89
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.17	0.88	12.5	0.02	0.03	—	0.03	0.03	—	0.03	—	1,790	1,790	0.07	0.01	—	1,797
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.17	0.88	12.5	0.02	0.03	—	0.03	0.03	—	0.03	—	1,790	1,790	0.07	0.01	—	1,797
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.10	0.53	7.50	0.01	0.02	—	0.02	0.02	—	0.02	—	1,072	1,072	0.04	0.01	—	1,076
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.10	1.37	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	178	178	0.01	< 0.005	—	178
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	43.4	43.4	< 0.005	< 0.005	0.04	43.6
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	37.6	37.6	< 0.005	0.01	0.02	39.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	40.2	40.2	< 0.005	< 0.005	< 0.005	40.4
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	37.6	37.6	< 0.005	0.01	< 0.005	39.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	24.4	24.4	< 0.005	< 0.005	0.01	24.5
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	22.5	22.5	< 0.005	< 0.005	0.01	23.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.03	4.03	< 0.005	< 0.005	< 0.005	4.05
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	3.73	3.73	< 0.005	< 0.005	< 0.005	3.89
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.66	2.21	25.4	37.7	0.06	0.17	—	0.17	0.16	—	0.16	—	5,654	5,654	0.23	0.05	—	5,674

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.66	2.21	25.4	37.7	0.06	0.17	—	0.17	0.16	—	0.16	—	5,654	5,654	0.23	0.05	—	5,674
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.79	0.66	7.54	11.2	0.02	0.05	—	0.05	0.05	—	0.05	—	1,682	1,682	0.07	0.01	—	1,688
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.38	2.05	< 0.005	0.01	—	0.01	0.01	—	0.01	—	278	278	0.01	< 0.005	—	279
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	43.1	43.1	< 0.005	< 0.005	0.04	43.2
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	36.5	36.5	< 0.005	0.01	0.02	38.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	39.9	39.9	< 0.005	< 0.005	< 0.005	40.1
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	36.6	36.6	< 0.005	0.01	< 0.005	38.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	12.0	12.0	< 0.005	< 0.005	< 0.005	12.1
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	10.9	10.9	< 0.005	< 0.005	< 0.005	11.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	1.99	1.99	< 0.005	< 0.005	< 0.005	2.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.80	1.80	< 0.005	< 0.005	< 0.005	1.88
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.17	0.88	12.5	0.02	0.03	—	0.03	0.03	—	0.03	—	1,790	1,790	0.07	0.01	—	1,797
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.17	0.17	0.88	12.5	0.02	0.03	—	0.03	0.03	—	0.03	—	1,790	1,790	0.07	0.01	—	1,797
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.26	3.73	< 0.005	0.01	—	0.01	0.01	—	0.01	—	533	533	0.02	< 0.005	—	534
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.68	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	88.2	88.2	< 0.005	< 0.005	—	88.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	43.1	43.1	< 0.005	< 0.005	0.04	43.2
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	36.5	36.5	< 0.005	0.01	0.02	38.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	39.9	39.9	< 0.005	< 0.005	< 0.005	40.1
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	36.6	36.6	< 0.005	0.01	< 0.005	38.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	12.0	12.0	< 0.005	< 0.005	< 0.005	12.1
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	10.9	10.9	< 0.005	< 0.005	< 0.005	11.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	1.99	1.99	< 0.005	< 0.005	< 0.005	2.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.80	1.80	< 0.005	< 0.005	< 0.005	1.88
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	1/1/2037	2/1/2037	5.00	22.0	—
Grading	Grading	2/1/2037	3/1/2037	5.00	20.0	—
Building Construction	Building Construction	3/1/2037	6/1/2038	5.00	327	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Excavators	Diesel	Average	8.00	8.00	36.0	0.38
Site Preparation	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
Grading	Excavators	Diesel	Average	8.00	8.00	36.0	0.38
Grading	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
Building Construction	Aerial Lifts	Diesel	Average	6.00	10.0	46.0	0.31
Building Construction	Welders	Diesel	Average	12.0	8.00	46.0	0.45

Building Construction	Air Compressors	Diesel	Average	6.00	2.00	37.0	0.48
Building Construction	Rough Terrain Forklifts	Diesel	Average	10.0	4.00	96.0	0.40

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Excavators	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
Site Preparation	Excavators	Electric	Average	4.00	8.00	36.0	0.38
Site Preparation	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
Grading	Excavators	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
Grading	Excavators	Electric	Average	4.00	8.00	36.0	0.38
Grading	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
Building Construction	Aerial Lifts	Electric	Average	6.00	10.0	46.0	0.31
Building Construction	Welders	Electric	Average	12.0	8.00	46.0	0.45
Building Construction	Air Compressors	Electric	Average	6.00	2.00	37.0	0.48
Building Construction	Rough Terrain Forklifts	Diesel	Tier 4 Final	10.0	4.00	96.0	0.40

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	30.0	11.7	LDA,LDT1,LDT2
Site Preparation	Vendor	0.00	8.40	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	0.00	0.00	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	6.00	11.7	LDA,LDT1,LDT2
Building Construction	Vendor	2.00	8.40	HHDT,MHDT

Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	0.00	HHDT
Grading	—	—	—	—
Grading	Worker	30.0	11.7	LDA,LDT1,LDT2
Grading	Vendor	0.00	8.40	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	0.00	0.00	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	30.0	11.7	LDA,LDT1,LDT2
Site Preparation	Vendor	0.00	8.40	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	0.00	0.00	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	6.00	11.7	LDA,LDT1,LDT2
Building Construction	Vendor	2.00	8.40	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	0.00	HHDT
Grading	—	—	—	—
Grading	Worker	30.0	11.7	LDA,LDT1,LDT2
Grading	Vendor	0.00	8.40	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	0.00	0.00	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	Project in urban setting.
Land Use	15,000 square foot facility within Building 6 (no additional acres).
Construction: Construction Phases	Data provided by SKS.
Construction: Off-Road Equipment	Data provided by SKS
Construction: Dust From Material Movement	All activity within footprint of building 6.
Construction: On-Road Fugitive Dust	Silt loading modified per BAAQMD CEQA Guidelines.
Construction: Trips and VMT	Data provided by SKS. Defaults used where project-specific data were not available.
Construction: Electricity	Per PG&E's 2023 PCL adjusted to account for RPS. CO2 is CO2e.

C1.1.3 Adjusted Mobile-Source ROG, NO_X, and PM Emission Factors and Calculations

This section provides the revised ROG, NO_X, and PM mobile-source emissions calculations for the additional construction of the CEQA Proposed Project with the WRF Option, Phase 4. Emission factors were developed for each of the CalEEMod construction vehicle fleet mixes (i.e., worker, vendor, and haul) (see Section A.1.1.6). Adjusted ROG, NO_X, and PM mobile-source emissions were estimated by multiplying the adjusted emission factors by the CalEEMod trip and milage inventory. Total annual construction emissions from the CalEEMod output were revised, based on the difference in mobile-source emissions between the adjusted (i.e., off-model) and unadjusted (i.e., CalEEMod) results. The revised results were then used to calculate average daily emissions for report presentation.

Phase Name	Start Date	End Date	Year	Workdays	Source Type	Trips/day	Miles/trip	ROG (ton/yr)	NOx (ton/yr)	PM10E (ton/yr)	PM10D (ton/yr)	PM10T (ton/yr)	PM2.5E (ton/yr)	PM2.5D (ton/yr)	PM2.5T (ton/yr)
Site Preparation	1/1/2037	2/1/2037	2037	22	Worker	30	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
Site Preparation	1/1/2037	2/1/2037	2037	22	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	1/1/2037	2/1/2037	2037	22	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	2/1/2037	3/1/2037	2037	20	Worker	30	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
Grading	2/1/2037	3/1/2037	2037	20	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	2/1/2037	3/1/2037	2037	20	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	3/1/2037	6/1/2038	2037	219	Worker	6	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.01
Building Construction	3/1/2037	6/1/2038	2037	219	Vendor	2	8.4	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
Building Construction	3/1/2037	6/1/2038	2037	219	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	3/1/2037	6/1/2038	2038	108	Worker	6	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
Building Construction	3/1/2037	6/1/2038	2038	108	Vendor	2	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	3/1/2037	6/1/2038	2038	108	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C1.2 Operations

The CalEEMod output presents model inputs and outputs for operation of the CEQA Proposed Project with the WRF Option under full-build conditions (2040). Refer to Sections A1.2.1 through A1.2.3 for CalEEMod outputs for operation of Phase 1, Phases 1 and 2, and Phases 1, 2, and 3, respectively. Because the WRF would not begin operation until 2040, there would be no difference in operational activity with or without the WRF prior to full build. Refer to Sections A1.2.5 through A1.2.8 for emissions calculations for the cooling towers, wet labs, and tree removals and plantings.

Note that the mitigated condition does not account for Mitigation Measure TRAN-1. Based on modeling from Fehr & Peers, the measure would achieve a 7.5 percent reduction in trips and VMT (Tan pers. comm. [A]). Accordingly, mobile-source emissions from CalEEMod were manually reduced by 7.5 percent to account for implementation of Mitigation Measure TRAN-1.

Neither total operation nor mobile-source emissions results in the CalEEMod output are adjusted to reflect the June 12, 2025, congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has developed off-model adjustment factors for NO_X, ROG, PM_{10}, and $PM_{2.5}$ that remove the estimated emissions benefits attributed to regulations. Emissions of these pollutants were separately quantified using the project-specific traffic data and emission factors from EMFAC2021 with the off-model adjustments per CARB's guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for mobile sources and the total operational emissions recalculated. Refer to Section A1.2.9 for the off-model calculations.

Moffett WRF Operation Full Build Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Moffett WRF Operation Full Build
Operational Year	2040
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	28.2
Location	37.40646021370499, -122.05214834788202
County	Santa Clara
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1702
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	350	1000sqft	12.7	350,000	0.00	0.00	—	—
Research & Development	1,390	1000sqft	0.00	1,390,000	0.00	0.00	—	—

University/College (4yr)	177	Student	0.00	260,000	0.00	0.00	—	—
General Office Building	25.0	1000sqft	1.10	25,000	0.00	0.00	—	—
Regional Shopping Center	90.0	1000sqft	0.60	90,000	0.00	0.00	—	—
Hotel	100	Room	0.00	75,000	0.00	0.00	—	—
Apartments Mid Rise	145	Dwelling Unit	0.00	130,000	0.00	0.00	0.00	—
Enclosed Parking with Elevator	1,080	1000sqft	2.80	1,080,000	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Area Sources	AS-1	Use Low-VOC Cleaning Supplies
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment
Area Sources	AS-2	Use Low-VOC Paints

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	138	133	56.4	686	1.38	1.91	124	125	1.82	31.3	33.1	4,086	141,958	146,044	413	4.37	1,137	158,814
Mit.	105	102	55.1	536	1.37	1.66	124	125	1.63	31.3	32.9	4,086	141,352	145,438	413	4.36	1,137	158,205
% Reduced	24%	24%	2%	22%	1%	13%	—	< 0.5%	11%	—	1%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	111	108	59.8	502	1.31	1.66	124	125	1.63	31.3	32.9	4,086	134,544	138,630	414	4.74	1,081	151,465
Mit.	104	100	59.8	502	1.31	1.66	124	125	1.63	31.3	32.9	4,086	134,544	138,630	414	4.74	1,081	151,465
% Reduced	6%	7%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	114	110	32.1	425	1.03	0.66	116	117	0.60	29.5	30.1	4,086	105,188	109,274	412	4.22	1,103	121,940
Mit.	93.7	90.5	31.5	351	1.03	0.53	116	117	0.51	29.5	30.0	4,086	104,889	108,975	412	4.22	1,103	121,640
% Reduced	18%	17%	2%	17%	< 0.5%	19%	—	< 0.5%	16%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	20.8	20.0	5.86	77.6	0.19	0.12	21.2	21.3	0.11	5.38	5.49	676	17,415	18,092	68.3	0.70	183	20,189
Mit.	17.1	16.5	5.75	64.1	0.19	0.10	21.2	21.3	0.09	5.38	5.47	676	17,366	18,042	68.3	0.70	183	20,139
% Reduced	18%	17%	2%	17%	< 0.5%	19%	—	< 0.5%	16%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	47.0	43.8	27.1	390	1.10	0.42	124	124	0.40	31.3	31.7	—	111,769	111,769	3.37	3.84	57.1	113,055
Area	82.5	80.5	1.27	150	0.01	0.26	—	0.26	0.19	—	0.19	0.00	607	607	0.03	0.01	—	609
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	331	331	0.00	0.00	—	331
Water	—	—	—	—	—	—	—	—	—	—	—	119	2.68	122	12.2	0.29	—	515
Waste	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,080	1,080
Stationary	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Total	138	133	56.4	686	1.38	1.91	124	125	1.82	31.3	33.1	4,086	141,958	146,044	413	4.37	1,137	158,814
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	46.0	42.6	31.8	356	1.03	0.42	124	124	0.40	31.3	31.7	—	104,962	104,962	3.72	4.22	1.48	106,316
Area	56.4	56.4	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	331	331	0.00	0.00	—	331
Water	—	—	—	—	—	—	—	—	—	—	—	119	2.68	122	12.2	0.29	—	515
Waste	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,080	1,080
Stationary	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Total	111	108	59.8	502	1.31	1.66	124	125	1.63	31.3	32.9	4,086	134,544	138,630	414	4.74	1,081	151,465
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	43.6	40.4	28.6	336	1.00	0.41	116	117	0.38	29.5	29.9	—	101,550	101,550	3.42	3.90	23.6	102,821
Area	69.3	68.3	0.63	74.2	< 0.005	0.13	—	0.13	0.10	—	0.10	0.00	299	299	0.01	< 0.005	—	300
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	331	331	0.00	0.00	—	331
Water	—	—	—	—	—	—	—	—	—	—	—	119	2.68	122	12.2	0.29	—	515
Waste	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,080	1,080
Stationary	0.89	0.87	2.88	15.0	0.03	0.13	0.00	0.13	0.13	0.00	0.13	0.00	3,005	3,005	0.12	0.02	0.00	3,015
Total	114	110	32.1	425	1.03	0.66	116	117	0.60	29.5	30.1	4,086	105,188	109,274	412	4.22	1,103	121,940
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.95	7.37	5.22	61.3	0.18	0.07	21.2	21.3	0.07	5.38	5.45	—	16,813	16,813	0.57	0.65	3.91	17,023
Area	12.6	12.5	0.11	13.5	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	49.5	49.5	< 0.005	< 0.005	—	49.7
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	54.8	54.8	0.00	0.00	—	54.8

Water	—	—	—	—	—	—	—	—	—	—	—	19.8	0.44	20.2	2.03	0.05	—	85.3
Waste	—	—	—	—	—	—	—	—	—	—	—	657	0.00	657	65.6	0.00	—	2,298
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	179	179
Stationary	0.16	0.16	0.53	2.73	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.00	498	498	0.02	< 0.005	0.00	499
Total	20.8	20.0	5.86	77.6	0.19	0.12	21.2	21.3	0.11	5.38	5.49	676	17,415	18,092	68.3	0.70	183	20,189

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	47.0	43.8	27.1	390	1.10	0.42	124	124	0.40	31.3	31.7	—	111,769	111,769	3.37	3.84	57.1	113,055
Area	49.2	49.2	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	331	331	0.00	0.00	—	331
Water	—	—	—	—	—	—	—	—	—	—	—	119	2.68	122	12.2	0.29	—	515
Waste	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,080	1,080
Stationary	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Total	105	102	55.1	536	1.37	1.66	124	125	1.63	31.3	32.9	4,086	141,352	145,438	413	4.36	1,137	158,205
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	46.0	42.6	31.8	356	1.03	0.42	124	124	0.40	31.3	31.7	—	104,962	104,962	3.72	4.22	1.48	106,316
Area	49.2	49.2	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	331	331	0.00	0.00	—	331
Water	—	—	—	—	—	—	—	—	—	—	—	119	2.68	122	12.2	0.29	—	515
Waste	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,080	1,080
Stationary	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Total	104	100	59.8	502	1.31	1.66	124	125	1.63	31.3	32.9	4,086	134,544	138,630	414	4.74	1,081	151,465
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	43.6	40.4	28.6	336	1.00	0.41	116	117	0.38	29.5	29.9	—	101,550	101,550	3.42	3.90	23.6	102,821
Area	49.2	49.2	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	331	331	0.00	0.00	—	331
Water	—	—	—	—	—	—	—	—	—	—	—	119	2.68	122	12.2	0.29	—	515
Waste	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,080	1,080
Stationary	0.89	0.87	2.88	15.0	0.03	0.13	0.00	0.13	0.13	0.00	0.13	0.00	3,005	3,005	0.12	0.02	0.00	3,015
Total	93.7	90.5	31.5	351	1.03	0.53	116	117	0.51	29.5	30.0	4,086	104,889	108,975	412	4.22	1,103	121,640
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.95	7.37	5.22	61.3	0.18	0.07	21.2	21.3	0.07	5.38	5.45	—	16,813	16,813	0.57	0.65	3.91	17,023
Area	8.99	8.99	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	54.8	54.8	0.00	0.00	—	54.8
Water	—	—	—	—	—	—	—	—	—	—	—	19.8	0.44	20.2	2.03	0.05	—	85.3
Waste	—	—	—	—	—	—	—	—	—	—	—	657	0.00	657	65.6	0.00	—	2,298
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	179	179
Stationary	0.16	0.16	0.53	2.73	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.00	498	498	0.02	< 0.005	0.00	499
Total	17.1	16.5	5.75	64.1	0.19	0.10	21.2	21.3	0.09	5.38	5.47	676	17,366	18,042	68.3	0.70	183	20,139

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	331	331	0.00	0.00	—	331
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	331	331	0.00	0.00	—	331
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	331	331	0.00	0.00	—	331
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	331	331	0.00	0.00	—	331
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	54.8	54.8	0.00	0.00	—	54.8
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	54.8	54.8	0.00	0.00	—	54.8

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05	0.00	0.00	—	0.05
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	331	331	0.00	0.00	—	331
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04	0.00	0.00	—	0.04
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02	0.00	0.00	—	0.02
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.15	0.15	0.00	0.00	—	0.15
Total	—	—	—	—	—	—	—	—	—	—	—	—	331	331	0.00	0.00	—	331
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	331	331	0.00	0.00	—	331
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	331	331	0.00	0.00	—	331
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	54.8	54.8	0.00	0.00	—	54.8

University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	54.8	54.8	0.00	0.00	—	54.8

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	49.7	49.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	6.78	6.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	26.1	24.1	1.27	150	0.01	0.26	—	0.26	0.19	—	0.19	—	607	607	0.03	0.01	—	609
Total	82.5	80.5	1.27	150	0.01	0.26	—	0.26	0.19	—	0.19	0.00	607	607	0.03	0.01	—	609
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	49.7	49.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	6.78	6.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	56.4	56.4	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	9.06	9.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.24	1.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.35	2.17	0.11	13.5	< 0.005	0.02	—	0.02	0.02	—	0.02	—	49.5	49.5	< 0.005	< 0.005	—	49.7
Total	12.6	12.5	0.11	13.5	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	49.5	49.5	< 0.005	< 0.005	—	49.7

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	45.9	45.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	3.30	3.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	49.2	49.2	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	45.9	45.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	3.30	3.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	49.2	49.2	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	8.39	8.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	0.60	0.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	8.99	8.99	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	119	2.61	122	12.2	0.29	—	515
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.08	0.08	0.00	0.00	—	0.08
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclose Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	119	2.68	122	12.2	0.29	—	515
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	119	2.61	122	12.2	0.29	—	515
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.08	0.08	0.00	0.00	—	0.08
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	119	2.68	122	12.2	0.29	—	515
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	19.8	0.43	20.2	2.03	0.05	—	85.3
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.01	0.01	0.00	0.00	—	0.01
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	19.8	0.44	20.2	2.03	0.05	—	85.3

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	119	2.61	122	12.2	0.29	—	515
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.08	0.08	0.00	0.00	—	0.08
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	119	2.68	122	12.2	0.29	—	515
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	119	2.61	122	12.2	0.29	—	515

University/Colleg	—	—	—	—	—	—	—	—	—	—	—	0.00	0.08	0.08	0.00	0.00	—	0.08
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	119	2.68	122	12.2	0.29	—	515
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	19.8	0.43	20.2	2.03	0.05	—	85.3
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.01	0.01	0.00	0.00	—	0.01
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	19.8	0.44	20.2	2.03	0.05	—	85.3

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

General Office Building	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	657	0.00	657	65.6	0.00	—	2,298
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclose Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	657	0.00	657	65.6	0.00	—	2,298

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Researc & Developm ent	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Universit y/Colleg e (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	657	0.00	657	65.6	0.00	—	2,298
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	657	0.00	657	65.6	0.00	—	2,298

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	554	554
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	524	524
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.60	0.60
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.78	0.78
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,080	1,080
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	554	554
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	524	524
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.60	0.60

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.78	0.78
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,080	1,080
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	91.7	91.7
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	86.8	86.8
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13	0.13
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	179	179

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	554	554
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	524	524
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.60	0.60
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.78	0.78
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,080	1,080
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	554	554

Research	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	524	524
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.60	0.60
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.78	0.78
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,080	1,080
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	91.7	91.7
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	86.8	86.8
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05

Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13	0.13
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	179	179

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Total	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Total	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.16	0.16	0.53	2.73	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.00	498	498	0.02	< 0.005	0.00	499
Total	0.16	0.16	0.53	2.73	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.00	498	498	0.02	< 0.005	0.00	499

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Total	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Total	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.16	0.16	0.53	2.73	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.00	498	498	0.02	< 0.005	0.00	499
Total	0.16	0.16	0.53	2.73	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.00	498	498	0.02	< 0.005	0.00	499

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	20,797	20,797	20,797	7,278,950	175,220	175,220	175,220	61,327,000

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	20,797	20,797	20,797	7,278,950	175,220	175,220	175,220	61,327,000

5.10. Operational Area Sources

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
263250	87,750	3,290,489	1,095,610	7,318

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Office Park	0.00	1.79	0.0000	0.0000	0.00
Research & Development	67,631,000	1.79	0.0000	0.0000	0.00
University/College (4yr)	0.00	1.79	0.0000	0.0000	0.00
General Office Building	0.00	1.79	0.0000	0.0000	0.00
Regional Shopping Center	0.00	1.79	0.0000	0.0000	0.00
Hotel	0.00	1.79	0.0000	0.0000	0.00
Apartments Mid Rise	0.00	1.79	0.0000	0.0000	0.00
Enclosed Parking with Elevator	0.00	1.79	0.0000	0.0000	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Office Park	0.00	1.79	0.0000	0.0000	0.00
Research & Development	67,631,000	1.79	0.0000	0.0000	0.00
University/College (4yr)	0.00	1.79	0.0000	0.0000	0.00
General Office Building	0.00	1.79	0.0000	0.0000	0.00
Regional Shopping Center	0.00	1.79	0.0000	0.0000	0.00
Hotel	0.00	1.79	0.0000	0.0000	0.00
Apartments Mid Rise	0.00	1.79	0.0000	0.0000	0.00
Enclosed Parking with Elevator	0.00	1.79	0.0000	0.0000	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)

Office Park	0.00	0.00
Research & Development	62,333,700	26,200,000
University/College (4yr)	0.00	4,102,600
General Office Building	0.00	0.00
Regional Shopping Center	0.00	0.00
Hotel	0.00	0.00
Apartments Mid Rise	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Office Park	0.00	0.00
Research & Development	62,333,700	26,200,000
University/College (4yr)	0.00	4,102,600
General Office Building	0.00	0.00
Regional Shopping Center	0.00	0.00
Hotel	0.00	0.00
Apartments Mid Rise	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	0.00	—
Research & Development	0.00	—
University/College (4yr)	0.00	—
General Office Building	7,360	—

Regional Shopping Center	0.00	—
Hotel	0.00	—
Apartments Mid Rise	0.00	—
Enclosed Parking with Elevator	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	0.00	—
Research & Development	0.00	—
University/College (4yr)	0.00	—
General Office Building	7,360	—
Regional Shopping Center	0.00	—
Hotel	0.00	—
Apartments Mid Rise	0.00	—
Enclosed Parking with Elevator	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Research & Development	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00

University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Office Park	Chillers	User Defined	630	20.8	1.00	1.00	20.0
Research & Development	Other commercial A/C and heat pumps	User Defined	466	7.30	1.00	1.00	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Research & Development	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00

University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Office Park	Chillers	User Defined	630	20.8	1.00	1.00	20.0
Research & Development	Other commercial A/C and heat pumps	User Defined	466	7.30	1.00	1.00	18.0

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	13.0	4.00	150	670	0.73

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	Project in urban environment

Land Use	Office acres include acres for office, R&D, and academic. Active use acres partially shared with R&D acres.
Construction: Construction Phases	Data provided by SKS
Construction: Off-Road Equipment	Data provided by SKS. Accounts for project design feature of Tier 4 engines (equipment greater than 25 HP).
Construction: Dust From Material Movement	Data provided by SKS. Accounts for CBP AIR-2.
Construction: Trips and VMT	Data provided by SKS. Defaults used where project-specific inputs not available.
Construction: Paving	Data provided by SKS
Construction: On-Road Fugitive Dust	Accounts for CBP AIR-2. Silt loading modified per BAAQMD CEQA Guidelines.
Construction: Architectural Coatings	Distributed coating square footages to phases based on buildings constructed in each phase.
Characteristics: Utility Information	Per PG&E's 2023 PCL adjusted to account for RPS. CO2 is CO2e.
Operations: Energy Use	Energy consumption value is for all project land uses (estimates by building type not available). Estimate provided by SKS and accounts for energy efficiency and renewable energy project design elements. No building natural gas consumption.
Operations: Water and Waste Water	Indoor and outdoor water consumption values are for all project land uses (estimates by building type not available). Indoor estimate modeled under R&D land use type. Outdoor water estimate modeled under University land use type. Outdoor intensity factors adjusted to account for use of reclaimed water (no supply). Estimates provided by SKS and account for water efficiency project design elements. Cooling tower water estimate modeled under R&D land use type (outdoor, not reclaimed).
Operations: Solid Waste	Waste generation value is for all project land uses (estimates by building type not available). Estimate provided by SKS and accounts for waste reduction project design elements.
Operations: Refrigerants	Refrigerant quantities for project-wide Centrifugal Chillers and Building A/C Heat Pumps provided by SKS and modeled under Office and R&D land use type. Default pumps from other land use types removed to avoid double counting. Defaults retained for building refrigerators and freezers.
Operations: Generators + Pumps EF	TOG/ROG, NOx, and PM emission factors revised for Tier 4 generator standards per Cal. Code Regs. Tit. 13, § 242 Generator Standards.
Operations: Emergency Generators and Fire Pumps	Data per SKS. 2-4 hr./mo. (testing) (50 annual hours); 100 hrs./year (emergency per BAAQMD) = 150 total annual hours per generator. Added generator that would operate at the WRF.
Operations: Hearths	No hearth

D.1 CEQA Proposed Project (NEPA Build Alternative 1) with Variant

D1.1 Construction

The same construction activities proposed and evaluated under the CEQA Proposed Project would occur under the Variant. Except for Phase 4, the construction activity inputs and emissions presented for the CEQA Proposed Project in Sections A1.1.2 through A1.1.4 would also occur under with the Variant. Refer to these sections for additional information.

During Phase 4, architectural coating emissions would differ from the CEQA Proposed Project due to the shift in residential to non-residential construction. The CalEEMod output presents model inputs and outputs for construction of the CEQA Proposed Project with the Variant, Phase 4.

Neither total construction nor mobile-source emissions results in the CalEEMod output are adjusted to reflect the June 12, 2025, congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has developed off-model adjustment factors for NO_X, ROG, PM_{10}, and $PM_{2.5}$ that remove the estimated emissions benefits attributed to regulations. Emissions of these pollutants were separately quantified using the CalEEMod trip and milage inventory and emission factors from EMFAC2021 with the off-model adjustments per CARB's guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for mobile sources and the total phase emissions recalculated. Refer to Section A1.1.6 for the adjusted mobile source calculations.

Moffett Alt 1 No Housing Sub-Alternative Construction Phase 4 Custom Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Moffett Alt 1 No Housing Sub-Alternative Construction Phase 4
Construction Start Date	6/1/2036
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	28.2
Location	37.40646021370499, -122.05214834788202
County	Santa Clara
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1702
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	85.0	1000sqft	2.50	85,000	0.00	0.00	—	—
Research & Development	340	1000sqft	0.00	340,000	0.00	0.00	—	—

University/College (4yr)	37.0	Student	0.00	55,000	0.00	0.00	—	—
General Office Building	0.00	1000sqft	0.00	0.00	0.00	0.00	—	—
Regional Shopping Center	20.0	1000sqft	0.00	20,000	0.00	0.00	—	—
Hotel	0.00	Room	0.00	0.00	0.00	0.00	—	—
Apartments Mid Rise	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	—
Enclosed Parking with Elevator	525	1000sqft	1.40	525,000	0.00	0.00	—	—
Parking Lot	0.00	1000sqft	0.00	0.00	0.00	0.00	—	—
Road Construction	1.90	Mile	2.40	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-1-A	Use Electric or Hybrid Powered Equipment
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-4*	Use Local and Sustainable Building Materials
Construction	C-5	Use Advanced Engine Tiers
Construction	C-10-A	Water Exposed Surfaces
Construction	C-10-B	Water Active Demolition Sites
Construction	C-10-C	Water Unpaved Construction Roads
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-13	Use Low-VOC Paints for Construction

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	80.8	76.8	184	277	0.63	3.67	32.6	36.3	3.39	7.45	10.8	—	67,338	67,338	2.73	2.31	11.2	68,105
Mit.	33.1	32.5	58.6	231	0.45	1.66	29.4	30.3	1.57	7.10	8.01	—	51,786	51,786	2.10	2.18	11.2	52,499
% Reduced	59%	58%	68%	16%	28%	55%	10%	17%	54%	5%	26%	—	23%	23%	23%	5%	—	23%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	78.7	75.1	171	257	0.59	3.35	27.4	30.8	3.10	6.45	9.54	—	62,703	62,703	2.55	2.00	0.26	63,364
Mit.	32.5	31.9	59.4	215	0.42	1.66	25.5	26.7	1.57	6.24	7.76	—	47,718	47,718	1.94	1.94	0.26	48,328
% Reduced	59%	57%	65%	16%	29%	50%	7%	13%	49%	3%	19%	—	24%	24%	24%	3%	—	24%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	28.3	26.0	108	160	0.37	1.98	18.0	20.0	1.83	4.28	6.11	—	38,798	38,798	1.55	1.41	2.97	39,126
Mit.	9.88	9.60	25.6	126	0.25	0.68	16.9	17.6	0.67	4.16	4.83	—	28,439	28,439	1.16	1.34	2.97	28,869
% Reduced	65%	63%	76%	21%	32%	65%	6%	12%	64%	3%	21%	—	27%	27%	25%	5%	—	26%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.17	4.74	19.7	29.2	0.07	0.36	3.28	3.64	0.33	0.78	1.12	—	6,423	6,423	0.26	0.23	0.49	6,478
Mit.	1.80	1.75	4.66	23.0	0.05	0.12	3.09	3.21	0.12	0.76	0.88	—	4,708	4,708	0.19	0.22	0.49	4,780
% Reduced	65%	63%	76%	21%	32%	65%	6%	12%	64%	3%	21%	—	27%	27%	25%	5%	—	26%

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	7.34	5.81	58.3	76.0	0.19	1.62	17.3	18.9	1.50	3.77	5.27	—	21,178	21,178	0.91	1.43	7.84	21,635
2037	23.0	18.9	184	277	0.63	3.67	32.6	36.3	3.39	7.45	10.8	—	67,338	67,338	2.73	2.31	11.2	68,105
2038	80.8	76.8	174	269	0.60	3.32	25.2	28.5	3.07	6.34	9.41	—	64,436	64,436	2.60	1.91	8.29	65,079
2039	44.2	41.8	133	184	0.39	1.60	14.3	15.9	1.48	3.56	5.04	—	41,912	41,912	1.62	0.75	3.03	42,178
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	7.23	5.66	56.9	64.8	0.18	1.50	18.6	20.1	1.39	4.41	5.80	—	20,386	20,386	0.88	1.60	0.24	20,885
2037	21.4	17.6	171	257	0.59	3.35	27.4	30.8	3.10	6.45	9.54	—	62,703	62,703	2.55	2.00	0.26	63,364
2038	78.7	75.1	161	239	0.56	2.84	24.0	26.9	2.63	6.05	8.67	—	59,261	59,261	2.41	1.88	0.21	59,881
2039	33.4	30.3	159	225	0.51	2.21	16.8	19.1	2.03	4.21	6.24	—	53,128	53,128	2.07	1.00	0.10	53,477
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	2.02	1.58	16.3	19.2	0.05	0.43	5.10	5.54	0.40	1.17	1.57	—	5,832	5,832	0.25	0.45	1.09	5,973
2037	12.7	10.3	102	144	0.35	1.98	18.0	20.0	1.83	4.28	6.11	—	37,081	37,081	1.51	1.41	2.97	37,541
2038	28.3	26.0	108	160	0.37	1.86	13.1	15.0	1.72	3.30	5.01	—	38,798	38,798	1.55	0.97	1.77	39,126
2039	18.4	17.5	47.9	64.3	0.14	0.55	5.55	6.10	0.51	1.38	1.89	—	14,972	14,972	0.58	0.33	0.57	15,086
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	0.37	0.29	2.97	3.50	0.01	0.08	0.93	1.01	0.07	0.21	0.29	—	966	966	0.04	0.07	0.18	989
2037	2.32	1.89	18.6	26.4	0.06	0.36	3.28	3.64	0.33	0.78	1.12	—	6,139	6,139	0.25	0.23	0.49	6,215
2038	5.17	4.74	19.7	29.2	0.07	0.34	2.40	2.74	0.31	0.60	0.92	—	6,423	6,423	0.26	0.16	0.29	6,478
2039	3.36	3.20	8.74	11.7	0.03	0.10	1.01	1.11	0.09	0.25	0.35	—	2,479	2,479	0.10	0.05	0.09	2,498

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	1.97	1.49	22.4	75.4	0.17	0.34	14.7	15.0	0.34	3.49	3.83	—	20,043	20,043	0.86	1.42	7.84	20,496
2037	7.79	6.46	58.6	231	0.45	1.66	29.4	30.3	1.57	7.10	8.01	—	51,786	51,786	2.10	2.18	11.2	52,499
2038	33.1	32.5	32.7	228	0.43	0.88	25.2	26.1	0.88	6.34	7.22	—	49,318	49,318	1.98	1.79	8.29	49,908
2039	15.7	15.5	11.8	101	0.19	0.37	14.3	14.7	0.37	3.56	3.93	—	22,443	22,443	0.83	0.59	3.03	22,643
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	4.03	3.08	34.2	59.9	0.17	0.86	17.3	18.2	0.81	4.27	5.08	—	19,082	19,082	0.82	1.59	0.24	19,576
2037	7.77	6.36	59.4	215	0.42	1.66	25.5	26.7	1.57	6.24	7.76	—	47,718	47,718	1.94	1.94	0.26	48,328
2038	32.5	31.9	29.8	193	0.39	0.80	24.0	24.8	0.79	6.05	6.84	—	44,142	44,142	1.79	1.75	0.21	44,710
2039	9.96	9.73	17.3	148	0.28	0.55	16.8	17.4	0.55	4.21	4.75	—	32,233	32,233	1.22	0.83	0.10	32,510
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	0.92	0.69	8.79	18.5	0.05	0.19	4.56	4.75	0.18	1.11	1.29	—	5,549	5,549	0.24	0.45	1.09	5,689
2037	3.58	3.01	25.6	119	0.25	0.68	16.9	17.6	0.67	4.16	4.83	—	28,439	28,439	1.16	1.34	2.97	28,869
2038	9.88	9.60	16.8	126	0.24	0.48	13.1	13.6	0.48	3.30	3.78	—	27,569	27,569	1.10	0.88	1.77	27,859
2039	6.78	6.69	4.47	33.4	0.07	0.13	5.55	5.68	0.13	1.38	1.51	—	7,882	7,882	0.30	0.27	0.57	7,971
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	0.17	0.13	1.60	3.38	0.01	0.03	0.83	0.87	0.03	0.20	0.24	—	919	919	0.04	0.07	0.18	942
2037	0.65	0.55	4.66	21.6	0.05	0.12	3.09	3.21	0.12	0.76	0.88	—	4,708	4,708	0.19	0.22	0.49	4,780
2038	1.80	1.75	3.06	23.0	0.04	0.09	2.40	2.49	0.09	0.60	0.69	—	4,564	4,564	0.18	0.14	0.29	4,612
2039	1.24	1.22	0.82	6.09	0.01	0.02	1.01	1.04	0.02	0.25	0.28	—	1,305	1,305	0.05	0.05	0.09	1,320

3. Construction Emissions Details

3.1. 4-C (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.39	1.17	9.98	13.1	0.03	0.26	—	0.26	0.24	—	0.24	—	2,588	2,588	0.10	0.02	—	2,597
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.21	1.80	2.37	< 0.005	0.05	—	0.05	0.04	—	0.04	—	468	468	0.02	< 0.005	—	470
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.33	0.43	< 0.005	0.01	—	0.01	0.01	—	0.01	—	77.5	77.5	< 0.005	< 0.005	—	77.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.46	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	146	146	< 0.005	< 0.005	0.17	147
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.25	0.06	3.79	1.77	0.03	0.06	3.91	3.97	0.06	1.01	1.06	—	3,345	3,345	0.16	0.54	2.83	3,512
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	24.7	24.7	< 0.005	< 0.005	0.01	24.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.71	0.32	0.01	0.01	0.69	0.70	0.01	0.18	0.19	—	605	605	0.03	0.10	0.22	635
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.10	4.10	< 0.005	< 0.005	< 0.005	4.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	100	100	< 0.005	0.02	0.04	105

3.2. 4-C (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.28	3.96	15.3	0.03	0.05	—	0.05	0.05	—	0.05	—	2,588	2,588	0.10	0.02	—	2,597
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.05	0.05	0.72	2.76	< 0.005	0.01	—	0.01	0.01	—	0.01	—	468	468	0.02	< 0.005	—	470
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.13	0.50	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	77.5	77.5	< 0.005	< 0.005	—	77.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.46	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	146	146	< 0.005	< 0.005	0.17	147
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.25	0.06	3.79	1.77	0.03	0.06	3.91	3.97	0.06	1.01	1.06	—	3,345	3,345	0.16	0.54	2.83	3,512
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	24.7	24.7	< 0.005	< 0.005	0.01	24.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.71	0.32	0.01	0.01	0.69	0.70	0.01	0.18	0.19	—	605	605	0.03	0.10	0.22	635
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.10	4.10	< 0.005	< 0.005	< 0.005	4.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	100	100	< 0.005	0.02	0.04	105

3.3. 4-A (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.40	1.17	12.2	17.5	0.02	0.33	—	0.33	0.30	—	0.30	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.12	2.12	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.21	2.21	3.16	< 0.005	0.06	—	0.06	0.05	—	0.05	—	458	458	0.02	< 0.005	—	459
Dust From Material Movemer	—	—	—	—	—	—	0.38	0.38	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.40	0.58	< 0.005	0.01	—	0.01	0.01	—	0.01	—	75.8	75.8	< 0.005	< 0.005	—	76.0

Dust From Material Movemer	—	—	—	—	—	—	0.07	0.07	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.68	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	219	219	< 0.005	< 0.005	0.25	220
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	1.97	0.92	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,740	1,740	0.08	0.28	1.47	1,826
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	37.1	37.1	< 0.005	< 0.005	0.02	37.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	0.01	0.37	0.17	< 0.005	0.01	0.36	0.37	0.01	0.09	0.10	—	315	315	0.02	0.05	0.11	330
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.14	6.14	< 0.005	< 0.005	< 0.005	6.17
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	52.1	52.1	< 0.005	0.01	0.02	54.7

3.4. 4-A (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.60	2.48	< 0.005	0.01	—	0.01	0.01	—	0.01	—	355	355	0.01	< 0.005	—	356
Dust From Material Movemer	—	—	—	—	—	—	0.15	0.15	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.45	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	58.8	58.8	< 0.005	< 0.005	—	59.0
Dust From Material Movemer	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.68	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	219	219	< 0.005	< 0.005	0.25	220
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	1.97	0.92	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,740	1,740	0.08	0.28	1.47	1,826
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	37.1	37.1	< 0.005	< 0.005	0.02	37.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	0.01	0.37	0.17	< 0.005	0.01	0.36	0.37	0.01	0.09	0.10	—	315	315	0.02	0.05	0.11	330
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.14	6.14	< 0.005	< 0.005	< 0.005	6.17
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	52.1	52.1	< 0.005	0.01	0.02	54.7

3.5. 4-M (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.07	0.90	6.54	9.64	0.02	0.27	—	0.27	0.25	—	0.25	—	2,065	2,065	0.08	0.02	—	2,072
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	0.90	6.54	9.64	0.02	0.27	—	0.27	0.25	—	0.25	—	2,065	2,065	0.08	0.02	—	2,072
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.18	1.74	< 0.005	0.05	—	0.05	0.04	—	0.04	—	373	373	0.02	< 0.005	—	375
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.22	0.32	< 0.005	0.01	—	0.01	0.01	—	0.01	—	61.8	61.8	< 0.005	< 0.005	—	62.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.17	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	54.8	54.8	< 0.005	< 0.005	0.06	55.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.15	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	50.7	50.7	< 0.005	< 0.005	< 0.005	50.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.28	9.28	< 0.005	< 0.005	< 0.005	9.31
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	1.54	1.54	< 0.005	< 0.005	< 0.005	1.54
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. 4-M (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.19	1.01	11.9	0.02	0.04	—	0.04	0.04	—	0.04	—	2,065	2,065	0.08	0.02	—	2,072
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.19	1.01	11.9	0.02	0.04	—	0.04	0.04	—	0.04	—	2,065	2,065	0.08	0.02	—	2,072
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.18	2.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	373	373	0.02	< 0.005	—	375
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.03	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	61.8	61.8	< 0.005	< 0.005	—	62.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.17	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	54.8	54.8	< 0.005	< 0.005	0.06	55.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.15	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	50.7	50.7	< 0.005	< 0.005	< 0.005	50.9

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.28	9.28	< 0.005	< 0.005	< 0.005	9.31
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	1.54	1.54	< 0.005	< 0.005	< 0.005	1.54
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. 4-B (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.40	1.17	12.2	17.5	0.02	0.33	—	0.33	0.30	—	0.30	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.40	1.17	12.2	17.5	0.02	0.33	—	0.33	0.30	—	0.30	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movement	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	0.28	2.92	4.18	0.01	0.08	—	0.08	0.07	—	0.07	—	604	604	0.02	< 0.005	—	606
Dust From Material Movement	—	—	—	—	—	—	0.51	0.51	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.53	0.76	< 0.005	0.01	—	0.01	0.01	—	0.01	—	100	100	< 0.005	< 0.005	—	100
Dust From Material Movement	—	—	—	—	—	—	0.09	0.09	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.68	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	219	219	< 0.005	< 0.005	0.25	220
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.13	0.03	1.97	0.92	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,740	1,740	0.08	0.28	1.47	1,826
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.58	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	203	203	< 0.005	< 0.005	0.01	204
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	2.08	0.93	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,740	1,740	0.08	0.28	0.04	1,826
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	49.0	49.0	< 0.005	< 0.005	0.03	49.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.49	0.22	< 0.005	0.01	0.48	0.48	0.01	0.12	0.13	—	415	415	0.02	0.07	0.15	436
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.11	8.11	< 0.005	< 0.005	< 0.005	8.14
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	68.8	68.8	< 0.005	0.01	0.03	72.2

3.8. 4-B (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.80	3.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	469	469	0.02	< 0.005	—	470
Dust From Material Movemer	—	—	—	—	—	—	0.20	0.20	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.15	0.60	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	77.6	77.6	< 0.005	< 0.005	—	77.9
Dust From Material Movemer	—	—	—	—	—	—	0.04	0.04	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.68	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	219	219	< 0.005	< 0.005	0.25	220
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	1.97	0.92	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,740	1,740	0.08	0.28	1.47	1,826
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.58	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	203	203	< 0.005	< 0.005	0.01	204
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	2.08	0.93	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,740	1,740	0.08	0.28	0.04	1,826
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	49.0	49.0	< 0.005	< 0.005	0.03	49.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.49	0.22	< 0.005	0.01	0.48	0.48	0.01	0.12	0.13	—	415	415	0.02	0.07	0.15	436
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.11	8.11	< 0.005	< 0.005	< 0.005	8.14
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	68.8	68.8	< 0.005	0.01	0.03	72.2

3.9. 4-B (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	1.37	1.15	12.0	17.5	0.02	0.29	—	0.29	0.27	—	0.27	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.37	1.15	12.0	17.5	0.02	0.29	—	0.29	0.27	—	0.27	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	0.34	3.56	5.20	0.01	0.09	—	0.09	0.08	—	0.08	—	753	753	0.03	0.01	—	756
Dust From Material Movemer	—	—	—	—	—	—	0.63	0.63	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.65	0.95	< 0.005	0.02	—	0.02	0.01	—	0.01	—	125	125	0.01	< 0.005	—	125

Dust From Material Movemer	—	—	—	—	—	—	0.12	0.12	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.03	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	217	217	< 0.005	< 0.005	0.21	218
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	0.03	1.93	0.89	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,707	1,707	0.08	0.28	1.26	1,793
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	2.03	0.89	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,708	1,708	0.08	0.28	0.03	1,793
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.17	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	60.5	60.5	< 0.005	< 0.005	0.03	60.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.60	0.27	< 0.005	0.01	0.59	0.60	0.01	0.15	0.16	—	508	508	0.03	0.08	0.16	533
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.0	10.0	< 0.005	< 0.005	< 0.005	10.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	84.1	84.1	< 0.005	0.01	0.03	88.3

3.10. 4-B (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.99	4.08	0.01	0.01	—	0.01	0.01	—	0.01	—	584	584	0.02	< 0.005	—	586
Dust From Material Movemer	—	—	—	—	—	—	0.25	0.25	—	0.03	0.03	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.18	0.74	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	96.7	96.7	< 0.005	< 0.005	—	97.0
Dust From Material Movemer	—	—	—	—	—	—	0.05	0.05	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.03	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	217	217	< 0.005	< 0.005	0.21	218
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	0.03	1.93	0.89	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,707	1,707	0.08	0.28	1.26	1,793
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	2.03	0.89	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,708	1,708	0.08	0.28	0.03	1,793
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.17	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	60.5	60.5	< 0.005	< 0.005	0.03	60.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.60	0.27	< 0.005	0.01	0.59	0.60	0.01	0.15	0.16	—	508	508	0.03	0.08	0.16	533
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.0	10.0	< 0.005	< 0.005	< 0.005	10.1

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	84.1	84.1	< 0.005	0.01	0.03	88.3

3.11. 4-L (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.25	1.05	7.78	11.7	0.02	0.31	—	0.31	0.28	—	0.28	—	2,455	2,455	0.10	0.02	—	2,463
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.96	1.44	< 0.005	0.04	—	0.04	0.03	—	0.03	—	303	303	0.01	< 0.005	—	304
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.18	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	50.1	50.1	< 0.005	< 0.005	—	50.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.23	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	73.0	73.0	< 0.005	< 0.005	0.08	73.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.43	8.43	< 0.005	< 0.005	< 0.005	8.47
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	1.40	1.40	< 0.005	< 0.005	< 0.005	1.40
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. 4-L (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	1.20	14.2	0.02	0.05	—	0.05	0.05	—	0.05	—	2,455	2,455	0.10	0.02	—	2,463

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.15	1.76	< 0.005	0.01	—	0.01	0.01	—	0.01	—	303	303	0.01	< 0.005	—	304
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.03	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	50.1	50.1	< 0.005	< 0.005	—	50.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.23	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	73.0	73.0	< 0.005	< 0.005	0.08	73.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.43	8.43	< 0.005	< 0.005	< 0.005	8.47
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	1.40	1.40	< 0.005	< 0.005	< 0.005	1.40
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. 4-N (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.93	0.77	6.54	9.54	0.02	0.13	—	0.13	0.12	—	0.12	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.40	0.58	< 0.005	0.01	—	0.01	0.01	—	0.01	—	109	109	< 0.005	< 0.005	—	110
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.1	18.1	< 0.005	< 0.005	—	18.2

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	0.97	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	338	338	0.01	< 0.005	0.01	339
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.43	0.10	6.88	3.07	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,757	5,757	0.28	0.92	0.13	6,039
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	20.7	20.7	< 0.005	< 0.005	0.01	20.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.41	0.19	< 0.005	0.01	0.40	0.41	0.01	0.10	0.11	—	349	349	0.02	0.06	0.13	366
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.44	3.44	< 0.005	< 0.005	< 0.005	3.45
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.08	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	57.8	57.8	< 0.005	0.01	0.02	60.7

3.14. 4-N (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.21	0.19	1.25	5.70	0.01	0.05	—	0.05	0.05	—	0.05	—	1,064	1,064	0.04	0.01	—	1,068
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.35	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	64.6	64.6	< 0.005	< 0.005	—	64.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.7	10.7	< 0.005	< 0.005	—	10.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	0.97	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	338	338	0.01	< 0.005	0.01	339
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.43	0.10	6.88	3.07	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,757	5,757	0.28	0.92	0.13	6,039
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	20.7	20.7	< 0.005	< 0.005	0.01	20.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.41	0.19	< 0.005	0.01	0.40	0.41	0.01	0.10	0.11	—	349	349	0.02	0.06	0.13	366

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.44	3.44	< 0.005	< 0.005	< 0.005	3.45
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.08	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	57.8	57.8	< 0.005	0.01	0.02	60.7

3.15. 4-N (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	0.76	6.44	9.44	0.02	0.12	—	0.12	0.11	—	0.11	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	0.76	6.44	9.44	0.02	0.12	—	0.12	0.11	—	0.11	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	0.54	4.60	6.74	0.01	0.09	—	0.09	0.08	—	0.08	—	1,286	1,286	0.05	0.01	—	1,291

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.84	1.23	< 0.005	0.02	—	0.02	0.01	—	0.01	—	213	213	0.01	< 0.005	—	214
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.04	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	362	362	< 0.005	< 0.005	0.36	363
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.39	0.10	6.37	2.95	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,645	5,645	0.28	0.92	4.18	5,931
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.08	0.06	0.94	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	335	335	0.01	< 0.005	0.01	337
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.38	0.10	6.73	2.93	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,648	5,648	0.28	0.92	0.11	5,930
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.66	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	242	242	< 0.005	< 0.005	0.11	243
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.27	0.07	4.74	2.11	0.04	0.07	4.72	4.79	0.07	1.21	1.28	—	4,033	4,033	0.20	0.66	1.29	4,236
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	40.1	40.1	< 0.005	< 0.005	0.02	40.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.87	0.39	0.01	0.01	0.86	0.87	0.01	0.22	0.23	—	668	668	0.03	0.11	0.21	701

3.16. 4-N (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.19	1.25	5.70	0.01	0.05	—	0.05	0.05	—	0.05	—	1,064	1,064	0.04	0.01	—	1,068
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.19	1.25	5.70	0.01	0.05	—	0.05	0.05	—	0.05	—	1,064	1,064	0.04	0.01	—	1,068
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.89	4.07	0.01	0.03	—	0.03	0.03	—	0.03	—	760	760	0.03	0.01	—	763
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.16	0.74	< 0.005	0.01	—	0.01	0.01	—	0.01	—	126	126	0.01	< 0.005	—	126

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.04	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	362	362	< 0.005	< 0.005	0.36	363
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.39	0.10	6.37	2.95	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,645	5,645	0.28	0.92	4.18	5,931
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.08	0.06	0.94	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	335	335	0.01	< 0.005	0.01	337
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.38	0.10	6.73	2.93	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,648	5,648	0.28	0.92	0.11	5,930
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.66	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	242	242	< 0.005	< 0.005	0.11	243
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.27	0.07	4.74	2.11	0.04	0.07	4.72	4.79	0.07	1.21	1.28	—	4,033	4,033	0.20	0.66	1.29	4,236
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	40.1	40.1	< 0.005	< 0.005	0.02	40.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.87	0.39	0.01	0.01	0.86	0.87	0.01	0.22	0.23	—	668	668	0.03	0.11	0.21	701

3.17. 4-N (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	6.38	9.41	0.02	0.12	—	0.12	0.11	—	0.11	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	6.38	9.41	0.02	0.12	—	0.12	0.11	—	0.11	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.23	1.90	2.80	0.01	0.03	—	0.03	0.03	—	0.03	—	536	536	0.02	< 0.005	—	538
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.35	0.51	< 0.005	0.01	—	0.01	0.01	—	0.01	—	88.7	88.7	< 0.005	< 0.005	—	89.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.09	0.08	0.04	1.08	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	359	359	< 0.005	< 0.005	0.30	360
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.39	0.10	6.27	2.81	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,552	5,552	0.28	0.87	3.61	5,823
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.91	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	333	333	0.01	< 0.005	0.01	334
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.38	0.10	6.63	2.84	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,555	5,555	0.28	0.87	0.09	5,822
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.27	0.00	0.00	0.50	0.50	0.00	0.12	0.12	—	100	100	< 0.005	< 0.005	0.04	100
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	1.93	0.84	0.01	0.03	1.97	1.99	0.03	0.51	0.53	—	1,652	1,652	0.08	0.26	0.46	1,732
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.05	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	16.6	16.6	< 0.005	< 0.005	0.01	16.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	0.01	0.35	0.15	< 0.005	0.01	0.36	0.36	0.01	0.09	0.10	—	273	273	0.01	0.04	0.08	287

3.18. 4-N (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.19	1.25	5.70	0.01	0.05	—	0.05	0.05	—	0.05	—	1,064	1,064	0.04	0.01	—	1,068

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.19	1.25	5.70	0.01	0.05	—	0.05	0.05	—	0.05	—	1,064	1,064	0.04	0.01	—	1,068
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.37	1.70	< 0.005	0.01	—	0.01	0.01	—	0.01	—	317	317	0.01	< 0.005	—	318
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	52.4	52.4	< 0.005	< 0.005	—	52.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.04	1.08	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	359	359	< 0.005	< 0.005	0.30	360
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.39	0.10	6.27	2.81	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,552	5,552	0.28	0.87	3.61	5,823
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.09	0.08	0.06	0.91	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	333	333	0.01	< 0.005	0.01	334
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.38	0.10	6.63	2.84	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,555	5,555	0.28	0.87	0.09	5,822
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.27	0.00	0.00	0.50	0.50	0.00	0.12	0.12	—	100	100	< 0.005	< 0.005	0.04	100
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	1.93	0.84	0.01	0.03	1.97	1.99	0.03	0.51	0.53	—	1,652	1,652	0.08	0.26	0.46	1,732
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.05	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	16.6	16.6	< 0.005	< 0.005	0.01	16.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	0.01	0.35	0.15	< 0.005	0.01	0.36	0.36	0.01	0.09	0.10	—	273	273	0.01	0.04	0.08	287

3.19. 4-D-1-A (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	0.97	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	338	338	0.01	< 0.005	0.01	339
Vendor	0.04	0.01	0.57	0.30	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	485	485	0.02	0.07	0.01	507
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	61.8	61.8	< 0.005	< 0.005	0.03	62.1
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	87.6	87.6	< 0.005	0.01	0.03	91.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	10.2	10.2	< 0.005	< 0.005	0.01	10.3
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	14.5	14.5	< 0.005	< 0.005	< 0.005	15.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.20. 4-D-1-A (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	0.97	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	338	338	0.01	< 0.005	0.01	339
Vendor	0.04	0.01	0.57	0.30	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	485	485	0.02	0.07	0.01	507
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	61.8	61.8	< 0.005	< 0.005	0.03	62.1
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	87.6	87.6	< 0.005	0.01	0.03	91.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	10.2	10.2	< 0.005	< 0.005	0.01	10.3
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	14.5	14.5	< 0.005	< 0.005	< 0.005	15.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. 4-D-1-C (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.18	4.32	41.6	60.7	0.13	0.71	—	0.71	0.66	—	0.66	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.18	4.32	41.6	60.7	0.13	0.71	—	0.71	0.66	—	0.66	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.70	3.09	29.7	43.4	0.10	0.51	—	0.51	0.47	—	0.47	—	9,623	9,623	0.39	0.08	—	9,656
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.56	5.42	7.91	0.02	0.09	—	0.09	0.09	—	0.09	—	1,593	1,593	0.06	0.01	—	1,599
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.07	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	579	579	0.01	0.01	0.57	581
Vendor	0.06	0.02	0.97	0.45	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,086	1,086	0.04	0.16	0.74	1,135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.13	0.10	1.50	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	537	537	0.01	0.01	0.01	538
Vendor	0.06	0.02	1.03	0.45	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,087	1,087	0.04	0.16	0.02	1,135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.07	1.06	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	388	388	0.01	< 0.005	0.18	389
Vendor	0.04	0.01	0.72	0.32	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	776	776	0.03	0.11	0.23	811
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	64.2	64.2	< 0.005	< 0.005	0.03	64.4
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	129	129	< 0.005	0.02	0.04	134
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.22. 4-D-1-C (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.59	3.07	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,231	6,231	0.25	0.05	—	6,252
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.56	6.09	0.01	0.02	—	0.02	0.02	—	0.02	—	1,032	1,032	0.04	0.01	—	1,035
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.07	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	579	579	0.01	0.01	0.57	581
Vendor	0.06	0.02	0.97	0.45	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,086	1,086	0.04	0.16	0.74	1,135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.13	0.10	1.50	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	537	537	0.01	0.01	0.01	538
Vendor	0.06	0.02	1.03	0.45	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,087	1,087	0.04	0.16	0.02	1,135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.07	1.06	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	388	388	0.01	< 0.005	0.18	389
Vendor	0.04	0.01	0.72	0.32	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	776	776	0.03	0.11	0.23	811
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	64.2	64.2	< 0.005	< 0.005	0.03	64.4
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	129	129	< 0.005	0.02	0.04	134
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.23. 4-D-1-C (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.14	4.29	41.2	60.4	0.13	0.69	—	0.69	0.64	—	0.64	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	5.14	4.29	41.2	60.4	0.13	0.69	—	0.69	0.64	—	0.64	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.67	3.07	29.4	43.2	0.10	0.49	—	0.49	0.45	—	0.45	—	9,623	9,623	0.39	0.08	—	9,656
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.56	5.37	7.88	0.02	0.09	—	0.09	0.08	—	0.08	—	1,593	1,593	0.06	0.01	—	1,599
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.07	1.72	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	575	575	0.01	< 0.005	0.48	576
Vendor	0.06	0.02	0.95	0.43	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,056	1,056	0.04	0.16	0.61	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.10	1.46	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	533	533	0.01	0.01	0.01	534
Vendor	0.06	0.02	0.99	0.44	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,056	1,056	0.04	0.16	0.02	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.11	0.09	0.07	1.03	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	385	385	0.01	< 0.005	0.15	386
Vendor	0.04	0.01	0.70	0.31	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	754	754	0.03	0.11	0.19	789
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	63.7	63.7	< 0.005	< 0.005	0.02	63.9
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	125	125	< 0.005	0.02	0.03	131
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.24. 4-D-1-C (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.59	0.59	3.07	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,231	6,231	0.25	0.05	—	6,252
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.56	6.09	0.01	0.02	—	0.02	0.02	—	0.02	—	1,032	1,032	0.04	0.01	—	1,035
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.07	1.72	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	575	575	0.01	< 0.005	0.48	576
Vendor	0.06	0.02	0.95	0.43	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,056	1,056	0.04	0.16	0.61	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.10	1.46	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	533	533	0.01	0.01	0.01	534
Vendor	0.06	0.02	0.99	0.44	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,056	1,056	0.04	0.16	0.02	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.07	1.03	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	385	385	0.01	< 0.005	0.15	386
Vendor	0.04	0.01	0.70	0.31	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	754	754	0.03	0.11	0.19	789
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	63.7	63.7	< 0.005	< 0.005	0.02	63.9
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	125	125	< 0.005	0.02	0.03	131

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.25. 4-D-1-C (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.10	4.26	40.6	60.0	0.13	0.67	—	0.67	0.61	—	0.61	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.27	2.54	3.76	0.01	0.04	—	0.04	0.04	—	0.04	—	844	844	0.03	0.01	—	847
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.46	0.69	< 0.005	0.01	—	0.01	0.01	—	0.01	—	140	140	0.01	< 0.005	—	140
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.10	1.41	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	529	529	0.01	0.01	0.01	531
Vendor	0.05	0.02	0.97	0.42	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,029	1,029	0.03	0.16	0.01	1,077
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.09	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	33.5	33.5	< 0.005	< 0.005	0.01	33.6
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	64.4	64.4	< 0.005	0.01	0.01	67.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	5.55	5.55	< 0.005	< 0.005	< 0.005	5.57
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	10.7	10.7	< 0.005	< 0.005	< 0.005	11.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.26. 4-D-1-C (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.27	2.92	0.01	0.01	—	0.01	0.01	—	0.01	—	546	546	0.02	< 0.005	—	548
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.53	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	90.4	90.4	< 0.005	< 0.005	—	90.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.10	1.41	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	529	529	0.01	0.01	0.01	531
Vendor	0.05	0.02	0.97	0.42	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,029	1,029	0.03	0.16	0.01	1,077
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.09	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	33.5	33.5	< 0.005	< 0.005	0.01	33.6
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	64.4	64.4	< 0.005	0.01	0.01	67.4

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	5.55	5.55	< 0.005	< 0.005	< 0.005	5.57
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	10.7	10.7	< 0.005	< 0.005	< 0.005	11.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.27. 4-D-2-A (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.04	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	362	362	< 0.005	< 0.005	0.36	363

Vendor	0.04	0.01	0.53	0.28	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	470	470	0.02	0.07	0.31	491
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.08	0.06	0.94	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	335	335	0.01	< 0.005	0.01	337
Vendor	0.04	0.01	0.56	0.29	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	470	470	0.02	0.07	0.01	491
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.16	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	59.5	59.5	< 0.005	< 0.005	0.03	59.7
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	82.4	82.4	< 0.005	0.01	0.02	86.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.84	9.84	< 0.005	< 0.005	< 0.005	9.88
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	13.6	13.6	< 0.005	< 0.005	< 0.005	14.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.28. 4-D-2-A (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.04	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	362	362	< 0.005	< 0.005	0.36	363
Vendor	0.04	0.01	0.53	0.28	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	470	470	0.02	0.07	0.31	491
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.08	0.06	0.94	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	335	335	0.01	< 0.005	0.01	337
Vendor	0.04	0.01	0.56	0.29	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	470	470	0.02	0.07	0.01	491
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.16	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	59.5	59.5	< 0.005	< 0.005	0.03	59.7
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	82.4	82.4	< 0.005	0.01	0.02	86.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.84	9.84	< 0.005	< 0.005	< 0.005	9.88
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	13.6	13.6	< 0.005	< 0.005	< 0.005	14.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.29. 4-D-2-C (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.18	4.32	41.6	60.7	0.13	0.71	—	0.71	0.66	—	0.66	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.18	4.32	41.6	60.7	0.13	0.71	—	0.71	0.66	—	0.66	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.48	2.07	19.9	29.1	0.06	0.34	—	0.34	0.31	—	0.31	—	6,459	6,459	0.26	0.05	—	6,482
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	0.38	3.64	5.31	0.01	0.06	—	0.06	0.06	—	0.06	—	1,069	1,069	0.04	0.01	—	1,073

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.07	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	579	579	0.01	0.01	0.57	581
Vendor	0.06	0.02	0.97	0.45	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,086	1,086	0.04	0.16	0.74	1,135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.13	0.10	1.50	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	537	537	0.01	0.01	0.01	538
Vendor	0.06	0.02	1.03	0.45	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,087	1,087	0.04	0.16	0.02	1,135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.05	0.71	0.00	0.00	1.28	1.28	0.00	0.32	0.32	—	260	260	< 0.005	< 0.005	0.12	261
Vendor	0.03	0.01	0.49	0.22	0.01	0.01	0.72	0.72	0.01	0.18	0.19	—	521	521	0.02	0.08	0.15	544
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	43.1	43.1	< 0.005	< 0.005	0.02	43.2
Vendor	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	86.3	86.3	< 0.005	0.01	0.03	90.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.30. 4-D-2-C (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	2.06	22.4	0.04	0.08	—	0.08	0.08	—	0.08	—	4,182	4,182	0.17	0.03	—	4,197
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.38	4.09	0.01	0.01	—	0.01	0.01	—	0.01	—	692	692	0.03	0.01	—	695
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.16	0.15	0.07	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	579	579	0.01	0.01	0.57	581
Vendor	0.06	0.02	0.97	0.45	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,086	1,086	0.04	0.16	0.74	1,135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.13	0.10	1.50	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	537	537	0.01	0.01	0.01	538
Vendor	0.06	0.02	1.03	0.45	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,087	1,087	0.04	0.16	0.02	1,135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.05	0.71	0.00	0.00	1.28	1.28	0.00	0.32	0.32	—	260	260	< 0.005	< 0.005	0.12	261
Vendor	0.03	0.01	0.49	0.22	0.01	0.01	0.72	0.72	0.01	0.18	0.19	—	521	521	0.02	0.08	0.15	544
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	43.1	43.1	< 0.005	< 0.005	0.02	43.2
Vendor	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	86.3	86.3	< 0.005	0.01	0.03	90.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.31. 4-D-2-C (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.14	4.29	41.2	60.4	0.13	0.69	—	0.69	0.64	—	0.64	—	13,473	13,473	0.55	0.11	—	13,519

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.14	4.29	41.2	60.4	0.13	0.69	—	0.69	0.64	—	0.64	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.67	3.07	29.4	43.2	0.10	0.49	—	0.49	0.45	—	0.45	—	9,623	9,623	0.39	0.08	—	9,656
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.56	5.37	7.88	0.02	0.09	—	0.09	0.08	—	0.08	—	1,593	1,593	0.06	0.01	—	1,599
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.07	1.72	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	575	575	0.01	< 0.005	0.48	576
Vendor	0.06	0.02	0.95	0.43	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,056	1,056	0.04	0.16	0.61	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.15	0.13	0.10	1.46	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	533	533	0.01	0.01	0.01	534
Vendor	0.06	0.02	0.99	0.44	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,056	1,056	0.04	0.16	0.02	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.07	1.03	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	385	385	0.01	< 0.005	0.15	386
Vendor	0.04	0.01	0.70	0.31	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	754	754	0.03	0.11	0.19	789
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	63.7	63.7	< 0.005	< 0.005	0.02	63.9
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	125	125	< 0.005	0.02	0.03	131
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.32. 4-D-2-C (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.59	3.07	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,231	6,231	0.25	0.05	—	6,252
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.56	6.09	0.01	0.02	—	0.02	0.02	—	0.02	—	1,032	1,032	0.04	0.01	—	1,035
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.07	1.72	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	575	575	0.01	< 0.005	0.48	576
Vendor	0.06	0.02	0.95	0.43	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,056	1,056	0.04	0.16	0.61	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.10	1.46	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	533	533	0.01	0.01	0.01	534
Vendor	0.06	0.02	0.99	0.44	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,056	1,056	0.04	0.16	0.02	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.07	1.03	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	385	385	0.01	< 0.005	0.15	386
Vendor	0.04	0.01	0.70	0.31	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	754	754	0.03	0.11	0.19	789
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	63.7	63.7	< 0.005	< 0.005	0.02	63.9
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	125	125	< 0.005	0.02	0.03	131
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.33. 4-D-2-C (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.10	4.26	40.6	60.0	0.13	0.67	—	0.67	0.61	—	0.61	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.10	4.26	40.6	60.0	0.13	0.67	—	0.67	0.61	—	0.61	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.52	1.27	12.1	17.8	0.04	0.20	—	0.20	0.18	—	0.18	—	4,007	4,007	0.16	0.03	—	4,021
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.23	2.20	3.26	0.01	0.04	—	0.04	0.03	—	0.03	—	663	663	0.03	0.01	—	666
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.12	0.07	1.67	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	571	571	0.01	< 0.005	0.41	572
Vendor	0.05	0.02	0.92	0.42	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,028	1,028	0.03	0.16	0.49	1,077
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.10	1.41	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	529	529	0.01	0.01	0.01	531
Vendor	0.05	0.02	0.97	0.42	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,029	1,029	0.03	0.16	0.01	1,077
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.42	0.00	0.00	0.79	0.79	0.00	0.20	0.20	—	159	159	< 0.005	< 0.005	0.05	160
Vendor	0.01	0.01	0.28	0.13	< 0.005	< 0.005	0.44	0.45	< 0.005	0.11	0.12	—	306	306	0.01	0.05	0.06	320
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	< 0.005	0.08	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	26.3	26.3	< 0.005	< 0.005	0.01	26.4
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	50.7	50.7	< 0.005	0.01	0.01	53.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.34. 4-D-2-C (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.25	1.28	13.9	0.02	0.05	—	0.05	0.05	—	0.05	—	2,595	2,595	0.11	0.02	—	2,604
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.23	2.53	< 0.005	0.01	—	0.01	0.01	—	0.01	—	430	430	0.02	< 0.005	—	431
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.12	0.07	1.67	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	571	571	0.01	< 0.005	0.41	572
Vendor	0.05	0.02	0.92	0.42	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,028	1,028	0.03	0.16	0.49	1,077
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.10	1.41	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	529	529	0.01	0.01	0.01	531
Vendor	0.05	0.02	0.97	0.42	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,029	1,029	0.03	0.16	0.01	1,077
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.42	0.00	0.00	0.79	0.79	0.00	0.20	0.20	—	159	159	< 0.005	< 0.005	0.05	160
Vendor	0.01	0.01	0.28	0.13	< 0.005	< 0.005	0.44	0.45	< 0.005	0.11	0.12	—	306	306	0.01	0.05	0.06	320
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.08	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	26.3	26.3	< 0.005	< 0.005	0.01	26.4
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	50.7	50.7	< 0.005	0.01	0.01	53.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.35. 4-Q (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	1.67	0.78	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,472	1,472	0.07	0.24	1.24	1,545
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.02	1.76	0.78	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,473	1,473	0.07	0.24	0.03	1,545

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.04	0.47	0.01	0.01	1.01	1.03	0.01	0.26	0.27	—	882	882	0.04	0.14	0.32	925
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.19	0.09	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.05	—	146	146	0.01	0.02	0.05	153

3.36. 4-Q (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	1.67	0.78	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,472	1,472	0.07	0.24	1.24	1,545
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.02	1.76	0.78	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,473	1,473	0.07	0.24	0.03	1,545
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.04	0.47	0.01	0.01	1.01	1.03	0.01	0.26	0.27	—	882	882	0.04	0.14	0.32	925
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.19	0.09	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.05	—	146	146	0.01	0.02	0.05	153

3.37. 4-Q (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.03	1.63	0.75	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,444	1,444	0.07	0.24	1.07	1,517
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.72	0.75	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,445	1,445	0.07	0.24	0.03	1,517
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.21	0.54	0.01	0.02	1.21	1.23	0.02	0.31	0.33	—	1,032	1,032	0.05	0.17	0.33	1,084
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.22	0.10	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	171	171	0.01	0.03	0.05	179

3.38. 4-Q (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.03	1.63	0.75	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,444	1,444	0.07	0.24	1.07	1,517

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.72	0.75	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,445	1,445	0.07	0.24	0.03	1,517
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.21	0.54	0.01	0.02	1.21	1.23	0.02	0.31	0.33	—	1,032	1,032	0.05	0.17	0.33	1,084
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.22	0.10	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	171	171	0.01	0.03	0.05	179

3.39. 4-Q (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.03	1.60	0.72	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,420	1,420	0.07	0.22	0.92	1,490
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.70	0.73	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,421	1,421	0.07	0.22	0.02	1,489
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.19	0.52	0.01	0.02	1.21	1.23	0.02	0.31	0.33	—	1,015	1,015	0.05	0.16	0.28	1,064
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.22	0.09	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	168	168	0.01	0.03	0.05	176

3.40. 4-Q (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.03	1.60	0.72	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,420	1,420	0.07	0.22	0.92	1,490
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.70	0.73	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,421	1,421	0.07	0.22	0.02	1,489
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.19	0.52	0.01	0.02	1.21	1.23	0.02	0.31	0.33	—	1,015	1,015	0.05	0.16	0.28	1,064
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.22	0.09	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	168	168	0.01	0.03	0.05	176

3.41. 4-Q (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.03	1.58	0.70	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,399	1,399	0.06	0.22	0.79	1,468
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.02	1.67	0.70	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,400	1,400	0.06	0.22	0.02	1,468
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	0.02	1.07	0.46	0.01	0.02	1.11	1.12	0.02	0.29	0.30	—	917	917	0.04	0.15	0.22	962
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.20	0.08	< 0.005	< 0.005	0.20	0.21	< 0.005	0.05	0.05	—	152	152	0.01	0.02	0.04	159

3.42. 4-Q (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.03	1.58	0.70	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,399	1,399	0.06	0.22	0.79	1,468
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.02	1.67	0.70	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,400	1,400	0.06	0.22	0.02	1,468
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	0.02	1.07	0.46	0.01	0.02	1.11	1.12	0.02	0.29	0.30	—	917	917	0.04	0.15	0.22	962
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.20	0.08	< 0.005	< 0.005	0.20	0.21	< 0.005	0.05	0.05	—	152	152	0.01	0.02	0.04	159

3.43. 4-F-1-A (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.04	0.89	0.00	0.00	1.36	1.36	0.00	0.34	0.34	—	290	290	< 0.005	< 0.005	0.29	291
Vendor	0.04	0.01	0.53	0.28	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	470	470	0.02	0.07	0.31	491
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.75	0.00	0.00	1.36	1.36	0.00	0.34	0.34	—	268	268	< 0.005	< 0.005	0.01	269
Vendor	0.04	0.01	0.56	0.29	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	470	470	0.02	0.07	0.01	491

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	47.6	47.6	< 0.005	< 0.005	0.02	47.7
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	82.4	82.4	< 0.005	0.01	0.02	86.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	7.88	7.88	< 0.005	< 0.005	< 0.005	7.90
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	13.6	13.6	< 0.005	< 0.005	< 0.005	14.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.44. 4-F-1-A (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.04	0.89	0.00	0.00	1.36	1.36	0.00	0.34	0.34	—	290	290	< 0.005	< 0.005	0.29	291
Vendor	0.04	0.01	0.53	0.28	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	470	470	0.02	0.07	0.31	491
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.75	0.00	0.00	1.36	1.36	0.00	0.34	0.34	—	268	268	< 0.005	< 0.005	0.01	269
Vendor	0.04	0.01	0.56	0.29	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	470	470	0.02	0.07	0.01	491
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	47.6	47.6	< 0.005	< 0.005	0.02	47.7
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	82.4	82.4	< 0.005	0.01	0.02	86.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	7.88	7.88	< 0.005	< 0.005	< 0.005	7.90
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	13.6	13.6	< 0.005	< 0.005	< 0.005	14.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.45. 4-F-1-C (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	5.18	4.32	41.6	60.7	0.13	0.71	—	0.71	0.66	—	0.66	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.18	4.32	41.6	60.7	0.13	0.71	—	0.71	0.66	—	0.66	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.48	2.07	19.9	29.1	0.06	0.34	—	0.34	0.31	—	0.31	—	6,459	6,459	0.26	0.05	—	6,482
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	0.38	3.64	5.31	0.01	0.06	—	0.06	0.06	—	0.06	—	1,069	1,069	0.04	0.01	—	1,073
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.07	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	579	579	0.01	0.01	0.57	581
Vendor	0.03	0.01	0.42	0.23	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	376	376	0.02	0.05	0.25	393
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.13	0.10	1.50	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	537	537	0.01	0.01	0.01	538
Vendor	0.03	0.01	0.45	0.23	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	376	376	0.02	0.05	0.01	393
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.05	0.71	0.00	0.00	1.28	1.28	0.00	0.32	0.32	—	260	260	< 0.005	< 0.005	0.12	261
Vendor	0.01	0.01	0.21	0.11	< 0.005	< 0.005	0.24	0.24	< 0.005	0.06	0.06	—	180	180	0.01	0.03	0.05	188
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	43.1	43.1	< 0.005	< 0.005	0.02	43.2
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	29.8	29.8	< 0.005	< 0.005	0.01	31.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.46. 4-F-1-C (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipmer	0.83 t	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.40	0.40	2.06	22.4	0.04	0.08	—	0.08	0.08	—	0.08	—	4,182	4,182	0.17	0.03	—	4,197
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.07	0.07	0.38	4.09	0.01	0.01	—	0.01	0.01	—	0.01	—	692	692	0.03	0.01	—	695
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.07	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	579	579	0.01	0.01	0.57	581
Vendor	0.03	0.01	0.42	0.23	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	376	376	0.02	0.05	0.25	393
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.13	0.10	1.50	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	537	537	0.01	0.01	0.01	538
Vendor	0.03	0.01	0.45	0.23	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	376	376	0.02	0.05	0.01	393
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.07	0.06	0.05	0.71	0.00	0.00	1.28	1.28	0.00	0.32	0.32	—	260	260	< 0.005	< 0.005	0.12	261
Vendor	0.01	0.01	0.21	0.11	< 0.005	< 0.005	0.24	0.24	< 0.005	0.06	0.06	—	180	180	0.01	0.03	0.05	188
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	43.1	43.1	< 0.005	< 0.005	0.02	43.2
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	29.8	29.8	< 0.005	< 0.005	0.01	31.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.47. 4-F-1-C (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.14	4.29	41.2	60.4	0.13	0.69	—	0.69	0.64	—	0.64	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.14	4.29	41.2	60.4	0.13	0.69	—	0.69	0.64	—	0.64	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	3.67	3.07	29.4	43.2	0.10	0.49	—	0.49	0.45	—	0.45	—	9,623	9,623	0.39	0.08	—	9,656
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.56	5.37	7.88	0.02	0.09	—	0.09	0.08	—	0.08	—	1,593	1,593	0.06	0.01	—	1,599
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.07	1.72	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	575	575	0.01	< 0.005	0.48	576
Vendor	0.03	0.01	0.41	0.22	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	365	365	0.02	0.05	0.20	382
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.10	1.46	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	533	533	0.01	0.01	0.01	534
Vendor	0.03	0.01	0.43	0.23	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	366	366	0.02	0.05	0.01	383
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.07	1.03	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	385	385	0.01	< 0.005	0.15	386
Vendor	0.02	0.01	0.30	0.16	< 0.005	< 0.005	0.36	0.36	< 0.005	0.09	0.09	—	261	261	0.01	0.04	0.06	273
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	63.7	63.7	< 0.005	< 0.005	0.02	63.9
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	43.2	43.2	< 0.005	0.01	0.01	45.2

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.48. 4-F-1-C (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.59	3.07	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,231	6,231	0.25	0.05	—	6,252
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.11	0.11	0.56	6.09	0.01	0.02	—	0.02	0.02	—	0.02	—	1,032	1,032	0.04	0.01	—	1,035
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.07	1.72	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	575	575	0.01	< 0.005	0.48	576
Vendor	0.03	0.01	0.41	0.22	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	365	365	0.02	0.05	0.20	382
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.10	1.46	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	533	533	0.01	0.01	0.01	534
Vendor	0.03	0.01	0.43	0.23	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	366	366	0.02	0.05	0.01	383
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.07	1.03	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	385	385	0.01	< 0.005	0.15	386
Vendor	0.02	0.01	0.30	0.16	< 0.005	< 0.005	0.36	0.36	< 0.005	0.09	0.09	—	261	261	0.01	0.04	0.06	273
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	63.7	63.7	< 0.005	< 0.005	0.02	63.9
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	43.2	43.2	< 0.005	0.01	0.01	45.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.49. 4-F-1-C (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.10	4.26	40.6	60.0	0.13	0.67	—	0.67	0.61	—	0.61	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.10	4.26	40.6	60.0	0.13	0.67	—	0.67	0.61	—	0.61	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.52	1.27	12.1	17.8	0.04	0.20	—	0.20	0.18	—	0.18	—	4,007	4,007	0.16	0.03	—	4,021
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.23	2.20	3.26	0.01	0.04	—	0.04	0.03	—	0.03	—	663	663	0.03	0.01	—	666
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.12	0.07	1.67	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	571	571	0.01	< 0.005	0.41	572
Vendor	0.02	0.01	0.40	0.22	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	356	356	0.01	0.05	0.17	373
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.10	1.41	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	529	529	0.01	0.01	0.01	531
Vendor	0.02	0.01	0.42	0.22	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	357	357	0.01	0.05	< 0.005	373
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.42	0.00	0.00	0.79	0.79	0.00	0.20	0.20	—	159	159	< 0.005	< 0.005	0.05	160
Vendor	0.01	< 0.005	0.12	0.07	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.04	—	106	106	< 0.005	0.02	0.02	111
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.08	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	26.3	26.3	< 0.005	< 0.005	0.01	26.4
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	17.6	17.6	< 0.005	< 0.005	< 0.005	18.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.50. 4-F-1-C (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.25	1.28	13.9	0.02	0.05	—	0.05	0.05	—	0.05	—	2,595	2,595	0.11	0.02	—	2,604
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.23	2.53	< 0.005	0.01	—	0.01	0.01	—	0.01	—	430	430	0.02	< 0.005	—	431
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.12	0.07	1.67	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	571	571	0.01	< 0.005	0.41	572
Vendor	0.02	0.01	0.40	0.22	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	356	356	0.01	0.05	0.17	373
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.10	1.41	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	529	529	0.01	0.01	0.01	531
Vendor	0.02	0.01	0.42	0.22	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	357	357	0.01	0.05	< 0.005	373
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.42	0.00	0.00	0.79	0.79	0.00	0.20	0.20	—	159	159	< 0.005	< 0.005	0.05	160
Vendor	0.01	< 0.005	0.12	0.07	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.04	—	106	106	< 0.005	0.02	0.02	111
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.08	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	26.3	26.3	< 0.005	< 0.005	0.01	26.4
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	17.6	17.6	< 0.005	< 0.005	< 0.005	18.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.51. 4-P (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.34	3.47	6.41	0.01	0.07	—	0.07	0.07	—	0.07	—	991	991	0.04	0.01	—	994
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.34	3.47	6.41	0.01	0.07	—	0.07	0.07	—	0.07	—	991	991	0.04	0.01	—	994
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.83	1.53	< 0.005	0.02	—	0.02	0.02	—	0.02	—	236	236	0.01	< 0.005	—	237
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.15	0.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	39.1	39.1	< 0.005	< 0.005	—	39.2
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.43	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	144	144	< 0.005	< 0.005	0.12	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.37	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	133	133	< 0.005	< 0.005	< 0.005	134
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	32.1	32.1	< 0.005	< 0.005	0.01	32.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	5.31	5.31	< 0.005	< 0.005	< 0.005	5.33
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.52. 4-P (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.14	1.30	6.89	0.01	0.03	—	0.03	0.03	—	0.03	—	991	991	0.04	0.01	—	994
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.14	1.30	6.89	0.01	0.03	—	0.03	0.03	—	0.03	—	991	991	0.04	0.01	—	994
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.31	1.64	< 0.005	0.01	—	0.01	0.01	—	0.01	—	236	236	0.01	< 0.005	—	237
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	39.1	39.1	< 0.005	< 0.005	—	39.2
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.43	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	144	144	< 0.005	< 0.005	0.12	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.37	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	133	133	< 0.005	< 0.005	< 0.005	134
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	32.1	32.1	< 0.005	< 0.005	0.01	32.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	5.31	5.31	< 0.005	< 0.005	< 0.005	5.33
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.53. 4-O (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.75	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	58.8	58.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.75	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	58.8	58.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.18	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.8	31.8	< 0.005	< 0.005	—	31.9
Architectural Coatings	14.0	14.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.27	5.27	< 0.005	< 0.005	—	5.29
Architectural Coatings	2.56	2.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.28	0.00	0.00	0.44	0.44	0.00	0.11	0.11	—	93.4	93.4	< 0.005	< 0.005	0.08	93.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.44	0.44	0.00	0.11	0.11	—	86.5	86.5	< 0.005	< 0.005	< 0.005	86.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.06	0.00	0.00	0.10	0.10	0.00	0.03	0.03	—	20.9	20.9	< 0.005	< 0.005	0.01	20.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.45	3.45	< 0.005	< 0.005	< 0.005	3.47
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.54. 4-O (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	28.0	28.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	28.0	28.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	6.67	6.67	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Architect Coatings	1.22	1.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.28	0.00	0.00	0.44	0.44	0.00	0.11	0.11	—	93.4	93.4	< 0.005	< 0.005	0.08	93.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.44	0.44	0.00	0.11	0.11	—	86.5	86.5	< 0.005	< 0.005	< 0.005	86.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.06	0.00	0.00	0.10	0.10	0.00	0.03	0.03	—	20.9	20.9	< 0.005	< 0.005	0.01	20.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.45	3.45	< 0.005	< 0.005	< 0.005	3.47
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.55. 4-E-1 (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.95	16.4	18.6	0.03	0.08	—	0.08	0.07	—	0.07	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	15.0	15.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.99	1.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	202	202	0.01	< 0.005	—	202
Architectural Coatings	0.91	0.91	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.18	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	33.4	33.4	< 0.005	< 0.005	—	33.5
Architectural Coatings	0.17	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.91	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	333	333	0.01	< 0.005	0.01	334
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.05	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	20.4	20.4	< 0.005	< 0.005	0.01	20.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.38	3.38	< 0.005	< 0.005	< 0.005	3.39
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.56. 4-E-1 (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	6.66	6.66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.40	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.91	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	333	333	0.01	< 0.005	0.01	334
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.05	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	20.4	20.4	< 0.005	< 0.005	0.01	20.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.38	3.38	< 0.005	< 0.005	< 0.005	3.39
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.57. 4-E-1 (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.95	16.4	18.6	0.03	0.08	—	0.08	0.07	—	0.07	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	15.0	15.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.95	16.4	18.6	0.03	0.08	—	0.08	0.07	—	0.07	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	15.0	15.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	0.40	6.83	7.75	0.01	0.03	—	0.03	0.03	—	0.03	—	1,385	1,385	0.06	0.01	—	1,390
Architectural Coatings	6.25	6.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	1.25	1.41	< 0.005	0.01	—	0.01	0.01	—	0.01	—	229	229	0.01	< 0.005	—	230
Architectural Coatings	1.14	1.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.04	1.05	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	357	357	< 0.005	< 0.005	0.25	358
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.88	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	331	331	< 0.005	< 0.005	0.01	332
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.37	0.00	0.00	0.70	0.70	0.00	0.17	0.17	—	139	139	< 0.005	< 0.005	0.05	140
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	23.1	23.1	< 0.005	< 0.005	0.01	23.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.58. 4-E-1 (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	6.66	6.66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	6.66	6.66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	2.78	2.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Architect Coatings	0.51	0.51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.04	1.05	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	357	357	< 0.005	< 0.005	0.25	358
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.88	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	331	331	< 0.005	< 0.005	0.01	332
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.37	0.00	0.00	0.70	0.70	0.00	0.17	0.17	—	139	139	< 0.005	< 0.005	0.05	140
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	23.1	23.1	< 0.005	< 0.005	0.01	23.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.59. 4-E-2 (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.95	16.4	18.6	0.03	0.08	—	0.08	0.07	—	0.07	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	14.9	14.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.95	16.4	18.6	0.03	0.08	—	0.08	0.07	—	0.07	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	14.9	14.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55	0.46	7.85	8.92	0.02	0.04	—	0.04	0.03	—	0.03	—	1,593	1,593	0.06	0.01	—	1,599
Architectural Coatings	7.15	7.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	1.43	1.63	< 0.005	0.01	—	0.01	0.01	—	0.01	—	264	264	0.01	< 0.005	—	265
Architectural Coatings	1.30	1.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.04	1.05	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	357	357	< 0.005	< 0.005	0.25	358
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.88	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	331	331	< 0.005	< 0.005	0.01	332
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.42	0.00	0.00	0.80	0.80	0.00	0.20	0.20	—	160	160	< 0.005	< 0.005	0.05	161
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.08	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	26.5	26.5	< 0.005	< 0.005	0.01	26.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.60. 4-E-2 (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	6.62	6.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	6.62	6.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Architect Coatings	3.18	3.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.58	0.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.04	1.05	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	357	357	< 0.005	< 0.005	0.25	358
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.88	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	331	331	< 0.005	< 0.005	0.01	332
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.42	0.00	0.00	0.80	0.80	0.00	0.20	0.20	—	160	160	< 0.005	< 0.005	0.05	161
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	< 0.005	0.08	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	26.5	26.5	< 0.005	< 0.005	0.01	26.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.61. 4-G (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.95	16.4	18.6	0.03	0.08	—	0.08	0.07	—	0.07	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.17	2.95	3.35	0.01	0.01	—	0.01	0.01	—	0.01	—	598	598	0.02	< 0.005	—	600
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.54	0.61	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	99.1	99.1	< 0.005	< 0.005	—	99.4
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.91	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	333	333	0.01	< 0.005	0.01	334
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.16	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	60.6	60.6	< 0.005	< 0.005	0.02	60.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.0	10.0	< 0.005	< 0.005	< 0.005	10.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.62. 4-G (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.91	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	333	333	0.01	< 0.005	0.01	334
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.16	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	60.6	60.6	< 0.005	< 0.005	0.02	60.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.0	10.0	< 0.005	< 0.005	< 0.005	10.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.63. 4-G (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.95	16.4	18.6	0.03	0.08	—	0.08	0.07	—	0.07	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.95	16.4	18.6	0.03	0.08	—	0.08	0.07	—	0.07	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	0.28	4.87	5.53	0.01	0.02	—	0.02	0.02	—	0.02	—	989	989	0.04	0.01	—	992
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.89	1.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	164	164	0.01	< 0.005	—	164
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.04	1.05	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	357	357	< 0.005	< 0.005	0.25	358
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.88	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	331	331	< 0.005	< 0.005	0.01	332
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.01	0.26	0.00	0.00	0.50	0.50	0.00	0.12	0.12	—	99.4	99.4	< 0.005	< 0.005	0.03	99.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	16.5	16.5	< 0.005	< 0.005	0.01	16.5

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.64. 4-G (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.04	1.05	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	357	357	< 0.005	< 0.005	0.25	358
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.88	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	331	331	< 0.005	< 0.005	0.01	332
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.01	0.26	0.00	0.00	0.50	0.50	0.00	0.12	0.12	—	99.4	99.4	< 0.005	< 0.005	0.03	99.8

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	16.5	16.5	< 0.005	< 0.005	0.01	16.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.65. 4-D-1-B (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.81	2.33	20.0	20.0	0.04	0.63	—	0.63	0.58	—	0.58	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.42	3.62	3.62	0.01	0.11	—	0.11	0.10	—	0.10	—	627	627	0.03	0.01	—	629
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.09	0.08	0.66	0.66	< 0.005	0.02	—	0.02	0.02	—	0.02	—	104	104	< 0.005	< 0.005	—	104
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.39	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	135	135	< 0.005	< 0.005	< 0.005	136
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	24.7	24.7	< 0.005	< 0.005	0.01	24.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.10	4.10	< 0.005	< 0.005	< 0.005	4.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.66. 4-D-1-B (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.38	2.00	17.1	20.4	0.04	0.59	—	0.59	0.54	—	0.54	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	0.36	3.10	3.70	0.01	0.11	—	0.11	0.10	—	0.10	—	627	627	0.03	0.01	—	629
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.57	0.67	< 0.005	0.02	—	0.02	0.02	—	0.02	—	104	104	< 0.005	< 0.005	—	104
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.39	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	135	135	< 0.005	< 0.005	< 0.005	136
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	24.7	24.7	< 0.005	< 0.005	0.01	24.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.10	4.10	< 0.005	< 0.005	< 0.005	4.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.67. 4-D-2-B (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.81	2.33	20.0	20.0	0.04	0.62	—	0.62	0.57	—	0.57	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.81	2.33	20.0	20.0	0.04	0.62	—	0.62	0.57	—	0.57	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.49	0.41	3.50	3.51	0.01	0.11	—	0.11	0.10	—	0.10	—	608	608	0.02	< 0.005	—	610
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.64	0.64	< 0.005	0.02	—	0.02	0.02	—	0.02	—	101	101	< 0.005	< 0.005	—	101
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.44	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	145	145	< 0.005	< 0.005	0.14	145
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.37	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	134	134	< 0.005	< 0.005	< 0.005	135
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	23.8	23.8	< 0.005	< 0.005	0.01	23.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	3.94	3.94	< 0.005	< 0.005	< 0.005	3.95
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.68. 4-D-2-B (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.38	2.00	17.1	20.4	0.04	0.59	—	0.59	0.54	—	0.54	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.38	2.00	17.1	20.4	0.04	0.59	—	0.59	0.54	—	0.54	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.35	3.00	3.58	0.01	0.10	—	0.10	0.09	—	0.09	—	608	608	0.02	< 0.005	—	610
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.08	0.06	0.55	0.65	< 0.005	0.02	—	0.02	0.02	—	0.02	—	101	101	< 0.005	< 0.005	—	101
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.44	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	145	145	< 0.005	< 0.005	0.14	145
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.37	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	134	134	< 0.005	< 0.005	< 0.005	135
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	23.8	23.8	< 0.005	< 0.005	0.01	23.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	3.94	3.94	< 0.005	< 0.005	< 0.005	3.95
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.69. 4-F-1-B (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.81	2.33	20.0	20.0	0.04	0.62	—	0.62	0.57	—	0.57	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.81	2.33	20.0	20.0	0.04	0.62	—	0.62	0.57	—	0.57	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	0.41	3.50	3.51	0.01	0.11	—	0.11	0.10	—	0.10	—	608	608	0.02	< 0.005	—	610
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.64	0.64	< 0.005	0.02	—	0.02	0.02	—	0.02	—	101	101	< 0.005	< 0.005	—	101
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.44	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	145	145	< 0.005	< 0.005	0.14	145
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.37	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	134	134	< 0.005	< 0.005	< 0.005	135
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	23.8	23.8	< 0.005	< 0.005	0.01	23.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	3.94	3.94	< 0.005	< 0.005	< 0.005	3.95
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.70. 4-F-1-B (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	2.38	2.00	17.1	20.4	0.04	0.59	—	0.59	0.54	—	0.54	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.38	2.00	17.1	20.4	0.04	0.59	—	0.59	0.54	—	0.54	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.35	3.00	3.58	0.01	0.10	—	0.10	0.09	—	0.09	—	608	608	0.02	< 0.005	—	610
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.55	0.65	< 0.005	0.02	—	0.02	0.02	—	0.02	—	101	101	< 0.005	< 0.005	—	101
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.44	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	145	145	< 0.005	< 0.005	0.14	145
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.37	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	134	134	< 0.005	< 0.005	< 0.005	135
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	23.8	23.8	< 0.005	< 0.005	0.01	23.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	3.94	3.94	< 0.005	< 0.005	< 0.005	3.95
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.71. 4-H (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.83	1.54	13.8	26.8	0.04	0.47	—	0.47	0.43	—	0.43	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.83	1.54	13.8	26.8	0.04	0.47	—	0.47	0.43	—	0.43	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	0.28	2.50	4.85	0.01	0.09	—	0.09	0.08	—	0.08	—	744	744	0.03	0.01	—	746
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.46	0.88	< 0.005	0.02	—	0.02	0.01	—	0.01	—	123	123	< 0.005	< 0.005	—	124
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.03	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	217	217	< 0.005	< 0.005	0.21	218
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	36.8	36.8	< 0.005	< 0.005	0.02	36.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.09	6.09	< 0.005	< 0.005	< 0.005	6.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.72. 4-H (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.07	0.07	0.58	5.20	0.01	0.01	—	0.01	0.01	—	0.01	—	744	744	0.03	0.01	—	746
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.95	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	123	123	< 0.005	< 0.005	—	124
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.03	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	217	217	< 0.005	< 0.005	0.21	218
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	36.8	36.8	< 0.005	< 0.005	0.02	36.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.09	6.09	< 0.005	< 0.005	< 0.005	6.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.73. 4-I (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.83	1.54	13.8	26.8	0.04	0.47	—	0.47	0.43	—	0.43	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.83	1.54	13.8	26.8	0.04	0.47	—	0.47	0.43	—	0.43	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.66	0.56	5.01	9.69	0.01	0.17	—	0.17	0.16	—	0.16	—	1,487	1,487	0.06	0.01	—	1,492
Dust From Material Movemer	—	—	—	—	—	—	1.15	1.15	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.91	1.77	< 0.005	0.03	—	0.03	0.03	—	0.03	—	246	246	0.01	< 0.005	—	247
Dust From Material Movemer	—	—	—	—	—	—	0.21	0.21	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.03	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	217	217	< 0.005	< 0.005	0.21	218
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	18.8	18.8	< 0.005	< 0.005	0.01	19.6
Hauling	0.02	< 0.005	0.28	0.13	< 0.005	< 0.005	0.30	0.30	< 0.005	0.08	0.08	—	249	249	0.01	0.04	0.18	261
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	18.8	18.8	< 0.005	< 0.005	< 0.005	19.7
Hauling	0.02	< 0.005	0.30	0.13	< 0.005	< 0.005	0.30	0.30	< 0.005	0.08	0.08	—	249	249	0.01	0.04	< 0.005	261
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.20	0.00	0.00	0.36	0.36	0.00	0.09	0.09	—	73.6	73.6	< 0.005	< 0.005	0.03	73.9

Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	6.80	6.80	< 0.005	< 0.005	< 0.005	7.10
Hauling	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	89.9	89.9	< 0.005	0.01	0.03	94.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	12.2	12.2	< 0.005	< 0.005	0.01	12.2
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.13	1.13	< 0.005	< 0.005	< 0.005	1.18
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	14.9	14.9	< 0.005	< 0.005	< 0.005	15.6

3.74. 4-I (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127

Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	1.16	10.4	0.01	0.03	—	0.03	0.03	—	0.03	—	1,487	1,487	0.06	0.01	—	1,492
Dust From Material Movemer	—	—	—	—	—	—	0.45	0.45	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.21	1.90	< 0.005	0.01	—	0.01	0.01	—	0.01	—	246	246	0.01	< 0.005	—	247
Dust From Material Movemer	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.03	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	217	217	< 0.005	< 0.005	0.21	218
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	18.8	18.8	< 0.005	< 0.005	0.01	19.6
Hauling	0.02	< 0.005	0.28	0.13	< 0.005	< 0.005	0.30	0.30	< 0.005	0.08	0.08	—	249	249	0.01	0.04	0.18	261

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	18.8	18.8	< 0.005	< 0.005	< 0.005	19.7
Hauling	0.02	< 0.005	0.30	0.13	< 0.005	< 0.005	0.30	0.30	< 0.005	0.08	0.08	—	249	249	0.01	0.04	< 0.005	261
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.20	0.00	0.00	0.36	0.36	0.00	0.09	0.09	—	73.6	73.6	< 0.005	< 0.005	0.03	73.9
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	6.80	6.80	< 0.005	< 0.005	< 0.005	7.10
Hauling	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	89.9	89.9	< 0.005	0.01	0.03	94.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	12.2	12.2	< 0.005	< 0.005	0.01	12.2
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.13	1.13	< 0.005	< 0.005	< 0.005	1.18
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	14.9	14.9	< 0.005	< 0.005	< 0.005	15.6

3.75. 4-J (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.83	1.54	13.8	26.8	0.04	0.47	—	0.47	0.43	—	0.43	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.84	1.63	< 0.005	0.03	—	0.03	0.03	—	0.03	—	249	249	0.01	< 0.005	—	250
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	0.30	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	41.3	41.3	< 0.005	< 0.005	—	41.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	12.3	12.3	< 0.005	< 0.005	0.01	12.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.04	2.04	< 0.005	< 0.005	< 0.005	2.05
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.76. 4-J (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.19	1.74	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	249	249	0.01	< 0.005	—	250
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.3	41.3	< 0.005	< 0.005	—	41.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	12.3	12.3	< 0.005	< 0.005	0.01	12.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.04	2.04	< 0.005	< 0.005	< 0.005	2.05
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.77. 4-J (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.78	1.50	13.4	26.8	0.04	0.43	—	0.43	0.40	—	0.40	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.78	1.50	13.4	26.8	0.04	0.43	—	0.43	0.40	—	0.40	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	0.45	3.99	7.96	0.01	0.13	—	0.13	0.12	—	0.12	—	1,223	1,223	0.05	0.01	—	1,227
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.73	1.45	< 0.005	0.02	—	0.02	0.02	—	0.02	—	203	203	0.01	< 0.005	—	203
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.03	0.65	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	216	216	< 0.005	< 0.005	0.18	216
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.55	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	200	200	< 0.005	< 0.005	< 0.005	200
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02	0.01	0.01	0.16	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	60.1	60.1	< 0.005	< 0.005	0.02	60.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.94	9.94	< 0.005	< 0.005	< 0.005	9.98
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.78. 4-J (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.12	0.12	0.95	8.55	0.01	0.02	—	0.02	0.02	—	0.02	—	1,223	1,223	0.05	0.01	—	1,227
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.17	1.56	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	203	203	0.01	< 0.005	—	203
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.03	0.65	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	216	216	< 0.005	< 0.005	0.18	216
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.55	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	200	200	< 0.005	< 0.005	< 0.005	200
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.16	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	60.1	60.1	< 0.005	< 0.005	0.02	60.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.94	9.94	< 0.005	< 0.005	< 0.005	9.98
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.79. 4-K (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.00	1.68	15.5	30.8	0.04	0.48	—	0.48	0.44	—	0.44	—	4,744	4,744	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.00	1.68	15.5	30.8	0.04	0.48	—	0.48	0.44	—	0.44	—	4,744	4,744	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	0.41	3.77	7.52	0.01	0.12	—	0.12	0.11	—	0.11	—	1,157	1,157	0.05	0.01	—	1,161
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.09	0.07	0.69	1.37	< 0.005	0.02	—	0.02	0.02	—	0.02	—	191	191	0.01	< 0.005	—	192
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.03	0.75	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	251	251	< 0.005	< 0.005	0.21	252
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.64	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	233	233	< 0.005	< 0.005	0.01	234
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.15	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	57.4	57.4	< 0.005	< 0.005	0.02	57.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.51	9.51	< 0.005	< 0.005	< 0.005	9.54
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.80. 4-K (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.46	3.52	33.2	0.04	0.09	—	0.09	0.09	—	0.09	—	4,744	4,744	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.46	3.52	33.2	0.04	0.09	—	0.09	0.09	—	0.09	—	4,744	4,744	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.86	8.09	0.01	0.02	—	0.02	0.02	—	0.02	—	1,157	1,157	0.05	0.01	—	1,161
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	1.48	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	191	191	0.01	< 0.005	—	192
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.03	0.75	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	251	251	< 0.005	< 0.005	0.21	252
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.64	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	233	233	< 0.005	< 0.005	0.01	234
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.15	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	57.4	57.4	< 0.005	< 0.005	0.02	57.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.51	9.51	< 0.005	< 0.005	< 0.005	9.54
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
4-C	Demolition	6/1/2036	9/1/2036	5.00	66.0	—
4-A	Site Preparation	6/1/2036	9/1/2036	5.00	66.0	—
4-M	Site Preparation	9/1/2036	12/1/2036	5.00	66.0	—
4-B	Grading	9/1/2036	6/1/2037	5.00	196	—

4-L	Grading	7/1/2036	9/1/2036	5.00	45.0	—
4-N	Building Construction	12/1/2036	6/1/2038	5.00	392	—
4-D-1-A	Building Construction	10/1/2036	12/31/2036	5.00	66.0	—
4-D-1-C	Building Construction	1/1/2037	2/1/2039	5.00	544	—
4-D-2-A	Building Construction	2/1/2037	4/30/2037	5.00	64.0	—
4-D-2-C	Building Construction	5/1/2037	6/1/2039	5.00	544	—
4-Q	Building Construction	3/1/2036	12/1/2039	5.00	979	—
4-F-1-A	Building Construction	2/1/2037	4/30/2037	5.00	64.0	—
4-F-1-C	Building Construction	5/1/2037	6/1/2039	5.00	544	—
4-P	Paving	2/1/2038	6/1/2038	5.00	87.0	—
4-O	Architectural Coating	2/1/2038	6/1/2038	5.00	87.0	—
4-E-1	Architectural Coating	12/1/2038	8/1/2039	5.00	174	—
4-E-2	Architectural Coating	4/1/2039	12/1/2039	5.00	175	—
4-G	Architectural Coating	10/1/2038	6/1/2039	5.00	174	—
4-D-1-B	Trenching	10/1/2036	12/31/2036	5.00	66.0	—
4-D-2-B	Trenching	2/1/2037	4/30/2037	5.00	64.0	—
4-F-1-B	Trenching	2/1/2037	4/30/2037	5.00	64.0	—
4-H	Linear, Grubbing & Land Clearing	3/1/2037	6/1/2037	5.00	66.0	—
4-I	Linear, Grading & Excavation	6/1/2037	12/1/2037	5.00	132	—
4-J	Linear, Drainage, Utilities, & Sub-Grade	12/1/2037	6/1/2038	5.00	131	—
4-K	Linear, Paving	6/1/2038	10/1/2038	5.00	89.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

4-C	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
4-C	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
4-C	Concrete/Industrial Saws	Diesel	Average	4.00	4.00	33.0	0.73
4-C	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
4-A	Excavators	Diesel	Average	8.00	8.00	36.0	0.38
4-A	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
4-M	Rubber Tired Dozers	Diesel	Average	1.00	7.00	367	0.40
4-M	Tractors/Loaders/Back hoes	Diesel	Average	1.00	8.00	84.0	0.37
4-M	Graders	Diesel	Average	1.00	8.00	148	0.41
4-B	Excavators	Diesel	Average	8.00	8.00	36.0	0.38
4-B	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
4-L	Graders	Diesel	Average	1.00	8.00	148	0.41
4-L	Tractors/Loaders/Back hoes	Diesel	Average	2.00	7.00	84.0	0.37
4-L	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
4-N	Tractors/Loaders/Back hoes	Diesel	Average	1.00	6.00	84.0	0.37
4-N	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
4-N	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
4-N	Cranes	Diesel	Average	1.00	6.00	367	0.29
4-N	Welders	Diesel	Average	3.00	8.00	46.0	0.45
4-D-1-C	Cranes	Diesel	Average	7.00	8.00	367	0.29
4-D-1-C	Welders	Diesel	Average	12.0	8.00	46.0	0.45
4-D-1-C	Aerial Lifts	Diesel	Average	18.0	6.00	46.0	0.31
4-D-1-C	Air Compressors	Diesel	Average	6.00	2.00	37.0	0.48
4-D-1-C	Rough Terrain Forklifts	Diesel	Average	10.0	4.00	96.0	0.40
4-D-2-C	Cranes	Diesel	Average	7.00	8.00	367	0.29

4-D-2-C	Welders	Diesel	Average	12.0	8.00	46.0	0.45
4-D-2-C	Aerial Lifts	Diesel	Average	18.0	6.00	46.0	0.31
4-D-2-C	Air Compressors	Diesel	Average	6.00	2.00	37.0	0.48
4-D-2-C	Rough Terrain Forklifts	Diesel	Average	10.0	4.00	96.0	0.40
4-F-1-C	Cranes	Diesel	Average	7.00	8.00	367	0.29
4-F-1-C	Aerial Lifts	Diesel	Average	18.0	6.00	46.0	0.31
4-F-1-C	Welders	Diesel	Average	12.0	8.00	46.0	0.45
4-F-1-C	Air Compressors	Diesel	Average	6.00	2.00	37.0	0.48
4-F-1-C	Rough Terrain Forklifts	Diesel	Average	10.0	4.00	96.0	0.40
4-P	Pavers	Diesel	Average	1.00	6.00	81.0	0.42
4-P	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
4-P	Tractors/Loaders/Back hoes	Diesel	Average	1.00	8.00	84.0	0.37
4-P	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
4-P	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
4-O	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
4-E-1	Air Compressors	Diesel	Average	5.00	4.00	37.0	0.48
4-E-1	Aerial Lifts	Diesel	Average	13.0	12.0	46.0	0.31
4-E-2	Air Compressors	Diesel	Average	5.00	4.00	37.0	0.48
4-E-2	Aerial Lifts	Diesel	Average	13.0	12.0	46.0	0.31
4-G	Air Compressors	Diesel	Average	5.00	4.00	37.0	0.48
4-G	Aerial Lifts	Diesel	Average	13.0	12.0	46.0	0.31
4-D-1-B	Tractors/Loaders/Back hoes	Diesel	Average	6.00	5.00	84.0	0.37
4-D-1-B	Excavators	Diesel	Average	6.00	4.00	36.0	0.38
4-D-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
4-D-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
4-D-2-B	Tractors/Loaders/Back hoes	Diesel	Average	6.00	5.00	84.0	0.37

4-D-2-B	Excavators	Diesel	Average	6.00	4.00	36.0	0.38
4-D-2-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
4-D-2-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
4-F-1-B	Tractors/Loaders/Back hoes	Diesel	Average	6.00	5.00	84.0	0.37
4-F-1-B	Excavators	Diesel	Average	6.00	4.00	36.0	0.38
4-F-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
4-F-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
4-H	Graders	Diesel	Average	2.00	8.00	148	0.41
4-H	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
4-H	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
4-H	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
4-H	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
4-I	Graders	Diesel	Average	2.00	8.00	148	0.41
4-I	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
4-I	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
4-I	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
4-I	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
4-J	Graders	Diesel	Average	2.00	8.00	148	0.41
4-J	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
4-J	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
4-J	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
4-J	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
4-K	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
4-K	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
4-K	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37

4-K	Graders	Diesel	Average	2.00	8.00	148	0.41
4-K	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
4-K	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
4-C	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
4-C	Excavators	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
4-C	Concrete/Industrial Saws	Diesel	Tier 4 Final	4.00	4.00	33.0	0.73
4-C	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
4-A	Excavators	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
4-A	Excavators	Electric	Average	4.00	8.00	36.0	0.38
4-A	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
4-M	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	7.00	367	0.40
4-M	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
4-M	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
4-B	Excavators	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
4-B	Excavators	Electric	Average	4.00	8.00	36.0	0.38
4-B	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
4-L	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
4-L	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	84.0	0.37
4-L	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
4-N	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	6.00	84.0	0.37
4-N	Forklifts	Electric	Average	1.00	6.00	82.0	0.20
4-N	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74

4-N	Cranes	Diesel	Tier 4 Final	1.00	6.00	367	0.29
4-N	Welders	Electric	Average	3.00	8.00	46.0	0.45
4-D-1-C	Cranes	Diesel	Tier 4 Final	7.00	8.00	367	0.29
4-D-1-C	Welders	Electric	Average	12.0	8.00	46.0	0.45
4-D-1-C	Aerial Lifts	Electric	Average	18.0	6.00	46.0	0.31
4-D-1-C	Air Compressors	Electric	Average	6.00	2.00	37.0	0.48
4-D-1-C	Rough Terrain Forklifts	Diesel	Tier 4 Final	10.0	4.00	96.0	0.40
4-D-2-C	Cranes	Diesel	Tier 4 Final	7.00	8.00	367	0.29
4-D-2-C	Welders	Electric	Average	12.0	8.00	46.0	0.45
4-D-2-C	Aerial Lifts	Electric	Average	18.0	6.00	46.0	0.31
4-D-2-C	Air Compressors	Electric	Average	6.00	2.00	37.0	0.48
4-D-2-C	Rough Terrain Forklifts	Diesel	Tier 4 Final	10.0	4.00	96.0	0.40
4-F-1-C	Cranes	Diesel	Tier 4 Final	7.00	8.00	367	0.29
4-F-1-C	Aerial Lifts	Electric	Average	18.0	6.00	46.0	0.31
4-F-1-C	Welders	Electric	Average	12.0	8.00	46.0	0.45
4-F-1-C	Air Compressors	Electric	Average	6.00	2.00	37.0	0.48
4-F-1-C	Rough Terrain Forklifts	Diesel	Tier 4 Final	10.0	4.00	96.0	0.40
4-P	Pavers	Diesel	Tier 4 Final	1.00	6.00	81.0	0.42
4-P	Rollers	Diesel	Tier 4 Final	1.00	7.00	36.0	0.38
4-P	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
4-P	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
4-P	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
4-O	Air Compressors	Electric	Average	1.00	6.00	37.0	0.48
4-E-1	Air Compressors	Electric	Average	5.00	4.00	37.0	0.48
4-E-1	Aerial Lifts	Electric	Average	13.0	12.0	46.0	0.31
4-E-2	Air Compressors	Electric	Average	5.00	4.00	37.0	0.48
4-E-2	Aerial Lifts	Electric	Average	13.0	12.0	46.0	0.31

4-G	Air Compressors	Electric	Average	5.00	4.00	37.0	0.48
4-G	Aerial Lifts	Electric	Average	13.0	12.0	46.0	0.31
4-D-1-B	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	6.00	5.00	84.0	0.37
4-D-1-B	Excavators	Diesel	Tier 4 Final	6.00	4.00	36.0	0.38
4-D-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
4-D-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
4-D-2-B	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	6.00	5.00	84.0	0.37
4-D-2-B	Excavators	Diesel	Tier 4 Final	6.00	4.00	36.0	0.38
4-D-2-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
4-D-2-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
4-F-1-B	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	6.00	5.00	84.0	0.37
4-F-1-B	Excavators	Diesel	Tier 4 Final	6.00	4.00	36.0	0.38
4-F-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
4-F-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
4-H	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
4-H	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
4-H	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
4-H	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
4-H	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
4-I	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
4-I	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
4-I	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
4-I	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
4-I	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
4-J	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41

4-J	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
4-J	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
4-J	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
4-J	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
4-K	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
4-K	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
4-K	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
4-K	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
4-K	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
4-K	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
4-C	—	—	—	—
4-C	Worker	20.0	11.7	LDA,LDT1,LDT2
4-C	Vendor	0.00	8.40	HHDT,MHDT
4-C	Hauling	50.0	25.0	HHDT
4-C	Onsite truck	0.00	0.00	HHDT
4-A	—	—	—	—
4-A	Worker	30.0	11.7	LDA,LDT1,LDT2
4-A	Vendor	0.00	8.40	HHDT,MHDT
4-A	Hauling	26.0	25.0	HHDT
4-A	Onsite truck	0.00	0.00	HHDT
4-B	—	—	—	—
4-B	Worker	30.0	11.7	LDA,LDT1,LDT2

4-B	Vendor	0.00	8.40	HHDT,MHDT
4-B	Hauling	26.0	25.0	HHDT
4-B	Onsite truck	0.00	0.00	HHDT
4-D-1-A	—	—	—	—
4-D-1-A	Worker	50.0	11.7	LDA,LDT1,LDT2
4-D-1-A	Vendor	25.0	8.40	HHDT,MHDT
4-D-1-A	Hauling	0.00	20.0	HHDT
4-D-1-A	Onsite truck	0.00	0.00	HHDT
4-E-1	—	—	—	—
4-E-1	Worker	50.0	11.7	LDA,LDT1,LDT2
4-E-1	Vendor	0.00	8.40	HHDT,MHDT
4-E-1	Hauling	0.00	20.0	HHDT
4-E-1	Onsite truck	0.00	0.00	HHDT
4-H	—	—	—	—
4-H	Worker	30.0	11.7	LDA,LDT1,LDT2
4-H	Vendor	0.00	8.40	HHDT,MHDT
4-H	Hauling	0.00	20.0	HHDT
4-H	Onsite truck	0.00	0.00	HHDT
4-I	—	—	—	—
4-I	Worker	30.0	11.7	LDA,LDT1,LDT2
4-I	Vendor	1.00	8.40	HHDT,MHDT
4-I	Hauling	3.79	25.0	HHDT
4-I	Onsite truck	0.00	0.00	HHDT
4-J	—	—	—	—
4-J	Worker	30.0	11.7	LDA,LDT1,LDT2
4-J	Vendor	0.00	8.40	HHDT,MHDT
4-J	Hauling	0.00	25.0	HHDT
4-J	Onsite truck	0.00	0.00	HHDT

4-K	—	—	—	—
4-K	Worker	35.0	11.7	LDA,LDT1,LDT2
4-K	Vendor	0.00	8.40	HHDT,MHDT
4-K	Hauling	0.00	20.0	HHDT
4-K	Onsite truck	0.00	0.00	HHDT
4-O	—	—	—	—
4-O	Worker	13.0	11.7	LDA,LDT1,LDT2
4-O	Vendor	0.00	8.40	HHDT,MHDT
4-O	Hauling	0.00	20.0	HHDT
4-O	Onsite truck	0.00	0.00	HHDT
4-N	—	—	—	—
4-N	Worker	50.0	11.7	LDA,LDT1,LDT2
4-N	Vendor	0.00	8.40	HHDT,MHDT
4-N	Hauling	86.0	25.0	HHDT
4-N	Onsite truck	0.00	0.00	HHDT
4-D-1-C	—	—	—	—
4-D-1-C	Worker	80.0	11.7	LDA,LDT1,LDT2
4-D-1-C	Vendor	25.0	20.0	HHDT,MHDT
4-D-1-C	Hauling	0.00	20.0	HHDT
4-D-1-C	Onsite truck	0.00	0.00	HHDT
4-D-2-A	—	—	—	—
4-D-2-A	Worker	50.0	11.7	LDA,LDT1,LDT2
4-D-2-A	Vendor	25.0	8.40	HHDT,MHDT
4-D-2-A	Hauling	0.00	20.0	HHDT
4-D-2-A	Onsite truck	0.00	0.00	HHDT
4-D-2-C	—	—	—	—
4-D-2-C	Worker	80.0	11.7	LDA,LDT1,LDT2
4-D-2-C	Vendor	25.0	20.0	HHDT,MHDT

4-D-2-C	Hauling	0.00	20.0	HHDT
4-D-2-C	Onsite truck	0.00	0.00	HHDT
4-Q	—	—	—	—
4-Q	Worker	0.00	11.7	LDA,LDT1,LDT2
4-Q	Vendor	0.00	8.40	HHDT,MHDT
4-Q	Hauling	22.0	25.0	HHDT
4-Q	Onsite truck	0.00	0.00	HHDT
4-P	—	—	—	—
4-P	Worker	20.0	11.7	LDA,LDT1,LDT2
4-P	Vendor	0.00	8.40	HHDT,MHDT
4-P	Hauling	0.00	20.0	HHDT
4-P	Onsite truck	0.00	0.00	HHDT
4-E-2	—	—	—	—
4-E-2	Worker	50.0	11.7	LDA,LDT1,LDT2
4-E-2	Vendor	0.00	8.40	HHDT,MHDT
4-E-2	Hauling	0.00	20.0	HHDT
4-E-2	Onsite truck	0.00	0.00	HHDT
4-D-1-B	—	—	—	—
4-D-1-B	Worker	20.0	11.7	LDA,LDT1,LDT2
4-D-1-B	Vendor	0.00	8.40	HHDT,MHDT
4-D-1-B	Hauling	0.00	20.0	HHDT
4-D-1-B	Onsite truck	0.00	0.00	HHDT
4-D-2-B	—	—	—	—
4-D-2-B	Worker	20.0	11.7	LDA,LDT1,LDT2
4-D-2-B	Vendor	0.00	8.40	HHDT,MHDT
4-D-2-B	Hauling	0.00	20.0	HHDT
4-D-2-B	Onsite truck	0.00	0.00	HHDT
4-F-1-A	—	—	—	—

4-F-1-A	Worker	40.0	11.7	LDA,LDT1,LDT2
4-F-1-A	Vendor	25.0	8.40	HHDT,MHDT
4-F-1-A	Hauling	0.00	20.0	HHDT
4-F-1-A	Onsite truck	0.00	0.00	HHDT
4-F-1-C	—	—	—	—
4-F-1-C	Worker	80.0	11.7	LDA,LDT1,LDT2
4-F-1-C	Vendor	20.0	8.40	HHDT,MHDT
4-F-1-C	Hauling	0.00	20.0	HHDT
4-F-1-C	Onsite truck	0.00	0.00	HHDT
4-G	—	—	—	—
4-G	Worker	50.0	11.7	LDA,LDT1,LDT2
4-G	Vendor	0.00	8.40	HHDT,MHDT
4-G	Hauling	0.00	20.0	HHDT
4-G	Onsite truck	0.00	—	HHDT
4-F-1-B	—	—	—	—
4-F-1-B	Worker	20.0	11.7	LDA,LDT1,LDT2
4-F-1-B	Vendor	0.00	8.40	HHDT,MHDT
4-F-1-B	Hauling	0.00	20.0	HHDT
4-F-1-B	Onsite truck	0.00	0.00	HHDT
4-M	—	—	—	—
4-M	Worker	7.50	11.7	LDA,LDT1,LDT2
4-M	Vendor	0.00	8.40	HHDT,MHDT
4-M	Hauling	0.00	20.0	HHDT
4-M	Onsite truck	0.00	0.00	HHDT
4-L	—	—	—	—
4-L	Worker	10.0	11.7	LDA,LDT1,LDT2
4-L	Vendor	0.00	8.40	HHDT,MHDT
4-L	Hauling	0.00	20.0	HHDT

4-L	Onsite truck	0.00	0.00	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
4-C	—	—	—	—
4-C	Worker	20.0	11.7	LDA,LDT1,LDT2
4-C	Vendor	0.00	8.40	HHDT,MHDT
4-C	Hauling	50.0	25.0	HHDT
4-C	Onsite truck	0.00	0.00	HHDT
4-A	—	—	—	—
4-A	Worker	30.0	11.7	LDA,LDT1,LDT2
4-A	Vendor	0.00	8.40	HHDT,MHDT
4-A	Hauling	26.0	25.0	HHDT
4-A	Onsite truck	0.00	0.00	HHDT
4-B	—	—	—	—
4-B	Worker	30.0	11.7	LDA,LDT1,LDT2
4-B	Vendor	0.00	8.40	HHDT,MHDT
4-B	Hauling	26.0	25.0	HHDT
4-B	Onsite truck	0.00	0.00	HHDT
4-D-1-A	—	—	—	—
4-D-1-A	Worker	50.0	11.7	LDA,LDT1,LDT2
4-D-1-A	Vendor	25.0	8.40	HHDT,MHDT
4-D-1-A	Hauling	0.00	20.0	HHDT
4-D-1-A	Onsite truck	0.00	0.00	HHDT
4-E-1	—	—	—	—
4-E-1	Worker	50.0	11.7	LDA,LDT1,LDT2
4-E-1	Vendor	0.00	8.40	HHDT,MHDT
4-E-1	Hauling	0.00	20.0	HHDT

4-E-1	Onsite truck	0.00	0.00	HHDT
4-H	—	—	—	—
4-H	Worker	30.0	11.7	LDA,LDT1,LDT2
4-H	Vendor	0.00	8.40	HHDT,MHDT
4-H	Hauling	0.00	20.0	HHDT
4-H	Onsite truck	0.00	0.00	HHDT
4-I	—	—	—	—
4-I	Worker	30.0	11.7	LDA,LDT1,LDT2
4-I	Vendor	1.00	8.40	HHDT,MHDT
4-I	Hauling	3.79	25.0	HHDT
4-I	Onsite truck	0.00	0.00	HHDT
4-J	—	—	—	—
4-J	Worker	30.0	11.7	LDA,LDT1,LDT2
4-J	Vendor	0.00	8.40	HHDT,MHDT
4-J	Hauling	0.00	25.0	HHDT
4-J	Onsite truck	0.00	0.00	HHDT
4-K	—	—	—	—
4-K	Worker	35.0	11.7	LDA,LDT1,LDT2
4-K	Vendor	0.00	8.40	HHDT,MHDT
4-K	Hauling	0.00	20.0	HHDT
4-K	Onsite truck	0.00	0.00	HHDT
4-O	—	—	—	—
4-O	Worker	13.0	11.7	LDA,LDT1,LDT2
4-O	Vendor	0.00	8.40	HHDT,MHDT
4-O	Hauling	0.00	20.0	HHDT
4-O	Onsite truck	0.00	0.00	HHDT
4-N	—	—	—	—
4-N	Worker	50.0	11.7	LDA,LDT1,LDT2

4-N	Vendor	0.00	8.40	HHDT,MHDT
4-N	Hauling	86.0	25.0	HHDT
4-N	Onsite truck	0.00	0.00	HHDT
4-D-1-C	—	—	—	—
4-D-1-C	Worker	80.0	11.7	LDA,LDT1,LDT2
4-D-1-C	Vendor	25.0	20.0	HHDT,MHDT
4-D-1-C	Hauling	0.00	20.0	HHDT
4-D-1-C	Onsite truck	0.00	0.00	HHDT
4-D-2-A	—	—	—	—
4-D-2-A	Worker	50.0	11.7	LDA,LDT1,LDT2
4-D-2-A	Vendor	25.0	8.40	HHDT,MHDT
4-D-2-A	Hauling	0.00	20.0	HHDT
4-D-2-A	Onsite truck	0.00	0.00	HHDT
4-D-2-C	—	—	—	—
4-D-2-C	Worker	80.0	11.7	LDA,LDT1,LDT2
4-D-2-C	Vendor	25.0	20.0	HHDT,MHDT
4-D-2-C	Hauling	0.00	20.0	HHDT
4-D-2-C	Onsite truck	0.00	0.00	HHDT
4-Q	—	—	—	—
4-Q	Worker	0.00	11.7	LDA,LDT1,LDT2
4-Q	Vendor	0.00	8.40	HHDT,MHDT
4-Q	Hauling	22.0	25.0	HHDT
4-Q	Onsite truck	0.00	0.00	HHDT
4-P	—	—	—	—
4-P	Worker	20.0	11.7	LDA,LDT1,LDT2
4-P	Vendor	0.00	8.40	HHDT,MHDT
4-P	Hauling	0.00	20.0	HHDT
4-P	Onsite truck	0.00	0.00	HHDT

4-E-2	—	—	—	—
4-E-2	Worker	50.0	11.7	LDA,LDT1,LDT2
4-E-2	Vendor	0.00	8.40	HHDT,MHDT
4-E-2	Hauling	0.00	20.0	HHDT
4-E-2	Onsite truck	0.00	0.00	HHDT
4-D-1-B	—	—	—	—
4-D-1-B	Worker	20.0	11.7	LDA,LDT1,LDT2
4-D-1-B	Vendor	0.00	8.40	HHDT,MHDT
4-D-1-B	Hauling	0.00	20.0	HHDT
4-D-1-B	Onsite truck	0.00	0.00	HHDT
4-D-2-B	—	—	—	—
4-D-2-B	Worker	20.0	11.7	LDA,LDT1,LDT2
4-D-2-B	Vendor	0.00	8.40	HHDT,MHDT
4-D-2-B	Hauling	0.00	20.0	HHDT
4-D-2-B	Onsite truck	0.00	0.00	HHDT
4-F-1-A	—	—	—	—
4-F-1-A	Worker	40.0	11.7	LDA,LDT1,LDT2
4-F-1-A	Vendor	25.0	8.40	HHDT,MHDT
4-F-1-A	Hauling	0.00	20.0	HHDT
4-F-1-A	Onsite truck	0.00	0.00	HHDT
4-F-1-C	—	—	—	—
4-F-1-C	Worker	80.0	11.7	LDA,LDT1,LDT2
4-F-1-C	Vendor	20.0	8.40	HHDT,MHDT
4-F-1-C	Hauling	0.00	20.0	HHDT
4-F-1-C	Onsite truck	0.00	0.00	HHDT
4-G	—	—	—	—
4-G	Worker	50.0	11.7	LDA,LDT1,LDT2
4-G	Vendor	0.00	8.40	HHDT,MHDT

4-G	Hauling	0.00	20.0	HHDT
4-G	Onsite truck	0.00	—	HHDT
4-F-1-B	—	—	—	—
4-F-1-B	Worker	20.0	11.7	LDA,LDT1,LDT2
4-F-1-B	Vendor	0.00	8.40	HHDT,MHDT
4-F-1-B	Hauling	0.00	20.0	HHDT
4-F-1-B	Onsite truck	0.00	0.00	HHDT
4-M	—	—	—	—
4-M	Worker	7.50	11.7	LDA,LDT1,LDT2
4-M	Vendor	0.00	8.40	HHDT,MHDT
4-M	Hauling	0.00	20.0	HHDT
4-M	Onsite truck	0.00	0.00	HHDT
4-L	—	—	—	—
4-L	Worker	10.0	11.7	LDA,LDT1,LDT2
4-L	Vendor	0.00	8.40	HHDT,MHDT
4-L	Hauling	0.00	20.0	HHDT
4-L	Onsite truck	0.00	0.00	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
4-E-1	0.00	0.00	375,000	125,000	0.00
4-E-2	0.00	0.00	375,000	125,000	0.00
4-O	0.00	0.00	945,000	105,000	0.00

4-G	0.00	0.00	0.00	0.00	0.00

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
4-A	0.00	0.00	4.78	0.00	—
4-B	38,566	0.00	0.00	0.00	—
4-P	0.00	0.00	0.00	0.00	0.00
4-I	6,000	0.00	0.00	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Office Park	0.00	0%
Research & Development	0.00	0%
University/College (4yr)	0.00	0%
General Office Building	0.00	0%
Regional Shopping Center	0.00	0%
Hotel	0.00	0%
Apartments Mid Rise	—	0%
Enclosed Parking with Elevator	0.00	100%
Parking Lot	0.00	100%
Road Construction	0.00	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2036	0.00	1.79	0.00	0.00
2037	500,000	1.79	0.00	0.00
2038	500,000	1.79	0.00	0.00
2039	250,000	1.79	0.00	0.00

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	Project in urban environment
Land Use	Office acres include acres for office, R&D, and academic. Active use acres partially shared with R&D acres. Linear acres includes Girard and utility improvements. No conference, hotel, surface parking, or housing during Phase 4 (sub-alternative).
Construction: Construction Phases	Data provided by SKS
Construction: Off-Road Equipment	Data provided by SKS.
Construction: Dust From Material Movement	Data provided by SKS.
Construction: Trips and VMT	Data provided by SKS. Defaults used where project-specific data were not available.
Construction: Paving	Data provided by SKS
Construction: On-Road Fugitive Dust	Silt loading modified per BAAQMD CEQA Guidelines.
Construction: Architectural Coatings	Distributed coating square footages to phases based on buildings constructed in each phase.
Construction: Demolition	Data provided by SKS.
Construction: Electricity	Per PG&E's 2023 PCL adjusted to account for RPS. CO2 is CO2e. 2036 consumption included in Phase 3.

D1.2 Operations

The CalEEMod output presents model inputs and outputs for operation of the CEQA Proposed Project with the Variant under full-build conditions (2040). Note that Alternative 1 landscaping emissions (including additional energy emissions from electrified equipment under the mitigated condition) were used in place of the estimates shown in this file to ensure consistency between the alternatives. This revision is necessary because landscaping emissions are quantified using CalEEMod defaults, which apply emission factors per square foot of non-residential and residential building space. Although the overall building square footage and landscaped area are the same between the CEQA Proposed Project and the CEQA Reduced Density Alternative with the Variant, the intensity of the default non-residential and residential emission factors differs, resulting in slightly different emissions estimates from landscaping activity. This difference is a product of the modeling method (i.e., use of defaults) and not actual conditions.

Note that the mitigated condition does not account for Mitigation Measure TRAN-1. Based on modeling from Fehr & Peers, the measure would achieve a 7.5 percent reduction in trips and VMT (Tan pers. comm. [A]). Accordingly, mobile-source emissions from CalEEMod were manually reduced by 7.5 percent to account for implementation of Mitigation Measure TRAN-1.

Neither total operation nor mobile-source emissions results in the CalEEMod output are adjusted to reflect the June 12, 2025, congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has developed off-model adjustment factors for NO_X, ROG, PM_{10}, and $PM_{2.5}$ that remove the estimated emissions benefits attributed to regulations. Emissions of these pollutants were separately quantified using the project-specific traffic data and emission factors from EMFAC2021 with the off-model adjustments per CARB's guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for mobile sources and the total operational emissions recalculated. Refer to Section A1.2.9 for the off-model calculations.

Refer to Sections A1.2.1 through A1.2.3 for CalEEMod outputs for operation of Phase 1, Phases 1 and 2, and Phases 1, 2, and 3, respectively. Because the shift from housing to research square footage under the Variant would not occur until Phase 4, there would be no difference in operational activity relative to Alternative 1 prior to full build. Refer to Sections A1.2.5 through A1.2.8 for emissions calculations for the cooling towers, wet labs, and tree removals and plantings.

Moffett Alt 1 No Housing Sub-Alternative Operation Full Build Custom Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Moffett Alt 1 No Housing Sub-Alternative Operation Full Build
Operational Year	2040
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	28.2
Location	37.40646021370499, -122.05214834788202
County	Santa Clara
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1702
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	375	1000sqft	12.7	375,000	0.00	0.00	—	—
Research & Development	1,480	1000sqft	0.00	1,480,000	0.00	0.00	—	—

University/College (4yr)	187	Student	0.00	275,000	0.00	0.00	—	—
General Office Building	25.0	1000sqft	1.10	25,000	0.00	0.00	—	—
Regional Shopping Center	90.0	1000sqft	0.60	90,000	0.00	0.00	—	—
Hotel	100	Room	0.00	75,000	0.00	0.00	—	—
Apartments Mid Rise	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	—
Enclosed Parking with Elevator	1,080	1000sqft	2.80	1,080,000	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Area Sources	AS-1	Use Low-VOC Cleaning Supplies
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment
Area Sources	AS-2	Use Low-VOC Paints

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	139	134	56.9	691	1.40	1.93	126	128	1.84	31.9	33.8	4,067	144,179	148,246	411	4.40	1,139	160,980
Mit.	106	102	55.6	544	1.40	1.67	126	128	1.64	31.9	33.6	4,067	143,571	147,638	411	4.39	1,139	160,370
% Reduced	24%	24%	2%	21%	1%	14%	—	< 0.5%	11%	—	1%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	112	108	60.4	509	1.33	1.67	126	128	1.64	31.9	33.6	4,067	136,629	140,696	412	4.78	1,083	153,496
Mit.	104	101	60.4	509	1.33	1.67	126	128	1.64	31.9	33.6	4,067	136,629	140,696	412	4.78	1,083	153,496
% Reduced	7%	7%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	115	110	32.7	431	1.05	0.67	119	119	0.61	30.1	30.7	4,067	107,205	111,272	410	4.25	1,105	123,902
Mit.	94.2	91.0	32.0	358	1.05	0.54	119	119	0.51	30.1	30.6	4,067	106,905	110,972	410	4.25	1,105	123,601
% Reduced	18%	18%	2%	17%	< 0.5%	19%	—	< 0.5%	16%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	20.9	20.1	5.96	78.6	0.19	0.12	21.7	21.8	0.11	5.49	5.60	673	17,749	18,422	67.9	0.70	183	20,513
Mit.	17.2	16.6	5.85	65.3	0.19	0.10	21.7	21.7	0.09	5.49	5.58	673	17,699	18,373	67.9	0.70	183	20,464
% Reduced	18%	18%	2%	17%	< 0.5%	19%	—	< 0.5%	16%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	48.0	44.6	27.6	398	1.12	0.43	126	126	0.40	31.9	32.3	—	113,989	113,989	3.43	3.92	58.2	115,300
Area	82.6	80.6	1.24	148	0.01	0.26	—	0.26	0.20	—	0.20	0.00	608	608	0.03	0.01	—	610
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	331	331	0.00	0.00	—	331
Water	—	—	—	—	—	—	—	—	—	—	—	100	2.37	103	10.3	0.24	—	433
Waste	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,081	1,081
Stationary	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Total	139	134	56.9	691	1.40	1.93	126	128	1.84	31.9	33.8	4,067	144,179	148,246	411	4.40	1,139	160,980
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	46.9	43.4	32.4	363	1.05	0.43	126	126	0.40	31.9	32.3	—	107,047	107,047	3.80	4.31	1.51	108,427
Area	56.3	56.3	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	331	331	0.00	0.00	—	331
Water	—	—	—	—	—	—	—	—	—	—	—	100	2.37	103	10.3	0.24	—	433
Waste	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,081	1,081
Stationary	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Total	112	108	60.4	509	1.33	1.67	126	128	1.64	31.9	33.6	4,067	136,629	140,696	412	4.78	1,083	153,496
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	44.4	41.2	29.2	343	1.02	0.41	119	119	0.39	30.1	30.5	—	103,567	103,567	3.49	3.98	24.1	104,864
Area	69.3	68.3	0.61	72.9	< 0.005	0.13	—	0.13	0.10	—	0.10	0.00	300	300	0.01	< 0.005	—	301
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	331	331	0.00	0.00	—	331
Water	—	—	—	—	—	—	—	—	—	—	—	100	2.37	103	10.3	0.24	—	433
Waste	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,081	1,081
Stationary	0.89	0.87	2.88	15.0	0.03	0.13	0.00	0.13	0.13	0.00	0.13	0.00	3,005	3,005	0.12	0.02	0.00	3,015
Total	115	110	32.7	431	1.05	0.67	119	119	0.61	30.1	30.7	4,067	107,205	111,272	410	4.25	1,105	123,902
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.11	7.52	5.32	62.6	0.19	0.08	21.7	21.7	0.07	5.49	5.56	—	17,147	17,147	0.58	0.66	3.99	17,361
Area	12.6	12.5	0.11	13.3	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	49.6	49.6	< 0.005	< 0.005	—	49.8
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	54.8	54.8	0.00	0.00	—	54.8

Water	—	—	—	—	—	—	—	—	—	—	—	16.6	0.39	17.0	1.70	0.04	—	71.6
Waste	—	—	—	—	—	—	—	—	—	—	—	657	0.00	657	65.6	0.00	—	2,298
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	179	179
Stationary	0.16	0.16	0.53	2.73	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.00	498	498	0.02	< 0.005	0.00	499
Total	20.9	20.1	5.96	78.6	0.19	0.12	21.7	21.8	0.11	5.49	5.60	673	17,749	18,422	67.9	0.70	183	20,513

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	48.0	44.6	27.6	398	1.12	0.43	126	126	0.40	31.9	32.3	—	113,989	113,989	3.43	3.92	58.2	115,300
Area	48.9	48.9	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	331	331	0.00	0.00	—	331
Water	—	—	—	—	—	—	—	—	—	—	—	100	2.37	103	10.3	0.24	—	433
Waste	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,081	1,081
Stationary	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Total	106	102	55.6	544	1.40	1.67	126	128	1.64	31.9	33.6	4,067	143,571	147,638	411	4.39	1,139	160,370
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	46.9	43.4	32.4	363	1.05	0.43	126	126	0.40	31.9	32.3	—	107,047	107,047	3.80	4.31	1.51	108,427
Area	48.9	48.9	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	331	331	0.00	0.00	—	331
Water	—	—	—	—	—	—	—	—	—	—	—	100	2.37	103	10.3	0.24	—	433
Waste	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,081	1,081
Stationary	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Total	104	101	60.4	509	1.33	1.67	126	128	1.64	31.9	33.6	4,067	136,629	140,696	412	4.78	1,083	153,496
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	44.4	41.2	29.2	343	1.02	0.41	119	119	0.39	30.1	30.5	—	103,567	103,567	3.49	3.98	24.1	104,864
Area	48.9	48.9	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	331	331	0.00	0.00	—	331
Water	—	—	—	—	—	—	—	—	—	—	—	100	2.37	103	10.3	0.24	—	433
Waste	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,081	1,081
Stationary	0.89	0.87	2.88	15.0	0.03	0.13	0.00	0.13	0.13	0.00	0.13	0.00	3,005	3,005	0.12	0.02	0.00	3,015
Total	94.2	91.0	32.0	358	1.05	0.54	119	119	0.51	30.1	30.6	4,067	106,905	110,972	410	4.25	1,105	123,601
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.11	7.52	5.32	62.6	0.19	0.08	21.7	21.7	0.07	5.49	5.56	—	17,147	17,147	0.58	0.66	3.99	17,361
Area	8.93	8.93	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	54.8	54.8	0.00	0.00	—	54.8
Water	—	—	—	—	—	—	—	—	—	—	—	16.6	0.39	17.0	1.70	0.04	—	71.6
Waste	—	—	—	—	—	—	—	—	—	—	—	657	0.00	657	65.6	0.00	—	2,298
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	179	179
Stationary	0.16	0.16	0.53	2.73	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.00	498	498	0.02	< 0.005	0.00	499
Total	17.2	16.6	5.85	65.3	0.19	0.10	21.7	21.7	0.09	5.49	5.58	673	17,699	18,373	67.9	0.70	183	20,464

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	331	331	0.00	0.00	—	331
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	331	331	0.00	0.00	—	331
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	331	331	0.00	0.00	—	331
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	331	331	0.00	0.00	—	331
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	54.8	54.8	0.00	0.00	—	54.8
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	54.8	54.8	0.00	0.00	—	54.8

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05	0.00	0.00	—	0.05
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	331	331	0.00	0.00	—	331
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04	0.00	0.00	—	0.04
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.15	0.15	0.00	0.00	—	0.15
Total	—	—	—	—	—	—	—	—	—	—	—	—	331	331	0.00	0.00	—	331
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	331	331	0.00	0.00	—	331
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	331	331	0.00	0.00	—	331
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	54.8	54.8	0.00	0.00	—	54.8

University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	54.8	54.8	0.00	0.00	—	54.8

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	49.7	49.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	6.65	6.65	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	26.3	24.3	1.24	148	0.01	0.26	—	0.26	0.20	—	0.20	—	608	608	0.03	0.01	—	610
Total	82.6	80.6	1.24	148	0.01	0.26	—	0.26	0.20	—	0.20	0.00	608	608	0.03	0.01	—	610
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	49.7	49.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	6.65	6.65	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	56.3	56.3	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	9.06	9.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.21	1.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.37	2.19	0.11	13.3	< 0.005	0.02	—	0.02	0.02	—	0.02	—	49.6	49.6	< 0.005	< 0.005	—	49.8
Total	12.6	12.5	0.11	13.3	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	49.6	49.6	< 0.005	< 0.005	—	49.8

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	45.9	45.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.96	2.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	48.9	48.9	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	45.9	45.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.96	2.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	48.9	48.9	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	8.39	8.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	0.54	0.54	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	8.93	8.93	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	100	2.29	103	10.3	0.24	—	433
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.08	0.08	0.00	0.00	—	0.08
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclose Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	100	2.37	103	10.3	0.24	—	433
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	100	2.29	103	10.3	0.24	—	433
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.08	0.08	0.00	0.00	—	0.08
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	100	2.37	103	10.3	0.24	—	433
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	16.6	0.38	17.0	1.70	0.04	—	71.6
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.01	0.01	0.00	0.00	—	0.01
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	16.6	0.39	17.0	1.70	0.04	—	71.6

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	100	2.29	103	10.3	0.24	—	433
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.08	0.08	0.00	0.00	—	0.08
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	100	2.37	103	10.3	0.24	—	433
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	100	2.29	103	10.3	0.24	—	433

University/Colleg	—	—	—	—	—	—	—	—	—	—	—	0.00	0.08	0.08	0.00	0.00	—	0.08
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	100	2.37	103	10.3	0.24	—	433
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	16.6	0.38	17.0	1.70	0.04	—	71.6
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.01	0.01	0.00	0.00	—	0.01
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	16.6	0.39	17.0	1.70	0.04	—	71.6

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

General Office Building	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	657	0.00	657	65.6	0.00	—	2,298
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclose Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	657	0.00	657	65.6	0.00	—	2,298

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3,967	0.00	3,967	396	0.00	—	13,878
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	657	0.00	657	65.6	0.00	—	2,298
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	657	0.00	657	65.6	0.00	—	2,298

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	554	554
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	526	526
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.63	0.63
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,081	1,081
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	554	554
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	526	526
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.63	0.63
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,081	1,081
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	91.7	91.7
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	87.1	87.1
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	179	179

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	554	554
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	526	526
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.63	0.63
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,081	1,081
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	554	554
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	526	526
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.63	0.63
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,081	1,081
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	91.7	91.7
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	87.1	87.1
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	179	179

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Total	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Total	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.16	0.16	0.53	2.73	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.00	498	498	0.02	< 0.005	0.00	499
Total	0.16	0.16	0.53	2.73	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.00	498	498	0.02	< 0.005	0.00	499

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Total	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Total	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.16	0.16	0.53	2.73	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.00	498	498	0.02	< 0.005	0.00	499
Total	0.16	0.16	0.53	2.73	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.00	498	498	0.02	< 0.005	0.00	499

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	21,210	21,210	21,210	7,423,500	178,700	178,700	178,700	62,545,000

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	21,210	21,210	21,210	7,423,500	178,700	178,700	178,700	62,545,000

5.10. Operational Area Sources

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	3,485,489	1,160,610	7,318

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Office Park	0.00	1.79	0.0000	0.0000	0.00
Research & Development	67,631,000	1.79	0.0000	0.0000	0.00
University/College (4yr)	0.00	1.79	0.0000	0.0000	0.00
General Office Building	0.00	1.79	0.0000	0.0000	0.00
Regional Shopping Center	0.00	1.79	0.0000	0.0000	0.00
Hotel	0.00	1.79	0.0000	0.0000	0.00
Apartments Mid Rise	0.00	1.79	0.0000	0.0000	0.00
Enclosed Parking with Elevator	0.00	1.79	0.0000	0.0000	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Office Park	0.00	1.79	0.0000	0.0000	0.00
Research & Development	67,631,000	1.79	0.0000	0.0000	0.00
University/College (4yr)	0.00	1.79	0.0000	0.0000	0.00
General Office Building	0.00	1.79	0.0000	0.0000	0.00
Regional Shopping Center	0.00	1.79	0.0000	0.0000	0.00
Hotel	0.00	1.79	0.0000	0.0000	0.00
Apartments Mid Rise	0.00	1.79	0.0000	0.0000	0.00
Enclosed Parking with Elevator	0.00	1.79	0.0000	0.0000	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Office Park	0.00	0.00
Research & Development	52,352,400	26,200,000
University/College (4yr)	0.00	4,102,600
General Office Building	0.00	0.00
Regional Shopping Center	0.00	0.00
Hotel	0.00	0.00
Apartments Mid Rise	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)

Office Park	0.00	0.00
Research & Development	52,352,400	26,200,000
University/College (4yr)	0.00	4,102,600
General Office Building	0.00	0.00
Regional Shopping Center	0.00	0.00
Hotel	0.00	0.00
Apartments Mid Rise	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	0.00	—
Research & Development	0.00	—
University/College (4yr)	0.00	—
General Office Building	7,360	—
Regional Shopping Center	0.00	—
Hotel	0.00	—
Apartments Mid Rise	0.00	—
Enclosed Parking with Elevator	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	0.00	—
Research & Development	0.00	—
University/College (4yr)	0.00	—
General Office Building	7,360	—

Regional Shopping Center	0.00	—
Hotel	0.00	—
Apartments Mid Rise	0.00	—
Enclosed Parking with Elevator	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Research & Development	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

Office Park	Chillers	User Defined	630	19.4	1.00	1.00	20.0
Research & Development	Other commercial A/C and heat pumps	User Defined	466	6.86	1.00	1.00	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Research & Development	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Office Park	Chillers	User Defined	630	19.4	1.00	1.00	20.0
Research & Development	Other commercial A/C and heat pumps	User Defined	466	6.86	1.00	1.00	18.0

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	13.0	4.00	150	670	0.73

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	Project in urban environment
Land Use	Office acres include acres for office, R&D, and academic. Active use acres partially shared with R&D acres.
Construction: Construction Phases	Data provided by SKS
Construction: Off-Road Equipment	Data provided by SKS. Accounts for project design feature of Tier 4 engines (equipment greater than 25 HP).
Construction: Dust From Material Movement	Data provided by SKS. Accounts for CBP AIR-2.
Construction: Trips and VMT	Data provided by SKS. Defaults used where project-specific inputs not available.
Construction: Paving	Data provided by SKS
Construction: On-Road Fugitive Dust	Accounts for CBP AIR-2. Silt loading modified per BAAQMD CEQA Guidelines.
Construction: Architectural Coatings	Distributed coating square footages to phases based on buildings constructed in each phase.
Characteristics: Utility Information	Per PG&E's 2023 PCL adjusted to account for RPS. CO2 is CO2e.
Operations: Energy Use	Energy consumption value is for all project land uses (estimates by building type not available). Estimate provided by SKS and accounts for energy efficiency and renewable energy project design elements. No building natural gas consumption.
Operations: Water and Waste Water	Indoor and outdoor water consumption values are for all project land uses (estimates by building type not available). Indoor estimate modeled under R&D land use type. Outdoor water estimate modeled under University land use type. Outdoor intensity factors adjusted to account for use of reclaimed water (no supply). Estimates provided by SKS and account for water efficiency project design elements. Cooling tower water estimate modeled under R&D land use type (outdoor, not reclaimed).
Operations: Solid Waste	Waste generation value is for all project land uses (estimates by building type not available). Estimate provided by SKS and accounts for waste reduction project design elements.

Operations: Refrigerants	Refrigerant quantities for project-wide Centrifugal Chillers and Building A/C Heat Pumps provided by SKS and modeled under Office and R&D land use type. Default pumps from other land use types removed to avoid double counting. Defaults retained for building refrigerators and freezers.
Operations: Generators + Pumps EF	TOG/ROG, NOx, and PM emission factors revised for Tier 4 generator standards per Cal. Code Regs. Tit. 13, § 242 Generator Standards.
Operations: Emergency Generators and Fire Pumps	Data per SKS. 2-4 hr./mo. (testing) (50 annual hours); 100 hrs./year (emergency per BAAQMD) = 150 total annual hours per generator. Added extra generator for R&D.
Operations: Hearths	No residential

E.1 CEQA Reduced Density Alternative (NEPA Build Alternative 2)

E.1 Construction

The same construction activities proposed and evaluated under the CEQA Proposed Project would occur under the CEQA Reduced Density Alternative. However, the construction schedule for some phases would be reduced, as well as interior architectural coatings. This section presents the CalEEMod outputs for the CEQA Reduced Density Alternative.

E1.1.1 Phase 1 Construction CalEEMod Output

The CalEEMod output presents model inputs and outputs for construction of the CEQA Reduced Density Alternative, Phase 1. These emissions would also occur under the CEQA Reduced Density Alternative with the Variant.

Neither total construction nor mobile-source emissions results in the CalEEMod output are adjusted to reflect the June 12, 2025, congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has developed off-model adjustment factors for NO_X, ROG, PM_{10}, and $PM_{2.5}$ that remove the estimated emissions benefits attributed to regulations. Emissions of these pollutants were separately quantified using the CalEEMod trip and milage inventory and emission factors from EMFAC2021 with the off-model adjustments per CARB's guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for mobile sources and the total phase emissions recalculated. Refer to Section E1.1.5 for the off-model calculations.

Moffett Alt 2 Construction Phase 1 Custom Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Moffett Alt 2 Construction Phase 1
Construction Start Date	6/1/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	28.2
Location	37.40646021370499, -122.05214834788202
County	Santa Clara
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1702
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	58.0	1000sqft	4.20	58,000	0.00	0.00	—	—
Research & Development	225	1000sqft	0.00	225,000	0.00	0.00	—	—

University/College (4yr)	29.0	Student	0.00	43,000	0.00	0.00	—	—
General Office Building	0.00	1000sqft	0.00	0.00	0.00	0.00	—	—
Regional Shopping Center	15.0	1000sqft	0.00	15,000	0.00	0.00	—	—
Hotel	0.00	Room	0.00	0.00	0.00	0.00	—	—
Apartments Mid Rise	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	—
Enclosed Parking with Elevator	0.00	1000sqft	0.00	0.00	0.00	0.00	—	—
Parking Lot	415	1000sqft	10.0	0.00	0.00	0.00	—	—
Road Construction	2.70	Mile	3.30	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-1-A	Use Electric or Hybrid Powered Equipment
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-4*	Use Local and Sustainable Building Materials
Construction	C-5	Use Advanced Engine Tiers
Construction	C-10-A	Water Exposed Surfaces
Construction	C-10-B	Water Active Demolition Sites
Construction	C-10-C	Water Unpaved Construction Roads
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-13	Use Low-VOC Paints for Construction

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	55.6	54.0	162	202	0.39	6.29	21.5	27.8	5.79	4.64	10.4	—	42,558	42,558	1.87	1.87	26.0	42,949
Mit.	22.0	21.8	43.8	185	0.31	1.16	18.3	19.4	1.11	4.29	5.40	—	36,664	36,664	1.65	1.86	26.0	37,156
% Reduced	60%	60%	73%	8%	20%	82%	15%	30%	81%	8%	48%	—	14%	14%	12%	< 0.5%	—	13%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	39.6	37.0	179	225	0.43	6.27	27.0	31.9	5.77	5.63	10.2	—	47,378	47,378	2.01	2.15	0.78	47,802
Mit.	13.7	13.3	50.1	195	0.32	1.05	22.0	23.1	1.00	5.08	6.08	—	37,880	37,880	1.73	2.15	0.78	38,270
% Reduced	66%	64%	72%	14%	25%	83%	18%	28%	83%	10%	40%	—	20%	20%	14%	< 0.5%	—	20%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	17.1	16.7	88.8	110	0.23	3.22	10.4	13.6	2.97	2.31	5.28	—	24,842	24,842	1.04	0.79	5.11	25,088
Mit.	7.01	6.91	20.0	97.0	0.17	0.53	9.12	9.64	0.51	2.17	2.68	—	19,676	19,676	0.88	0.76	5.11	19,929
% Reduced	59%	59%	77%	12%	27%	84%	13%	29%	83%	6%	49%	—	21%	21%	15%	4%	—	21%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.12	3.05	16.2	20.0	0.04	0.59	1.90	2.49	0.54	0.42	0.96	—	4,113	4,113	0.17	0.13	0.85	4,154
Mit.	1.28	1.26	3.66	17.7	0.03	0.10	1.66	1.76	0.09	0.40	0.49	—	3,258	3,258	0.15	0.13	0.85	3,300
% Reduced	59%	59%	77%	12%	27%	84%	13%	29%	83%	6%	49%	—	21%	21%	15%	4%	—	21%

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	10.5	8.21	80.8	89.2	0.18	3.52	18.8	22.4	3.25	4.05	7.30	—	23,514	23,514	1.33	1.87	26.0	24,132
2027	21.5	17.6	162	202	0.39	6.29	21.5	27.8	5.79	4.64	10.4	—	42,558	42,558	1.87	1.48	22.5	42,949
2028	22.9	19.6	150	197	0.39	4.67	18.6	23.2	4.28	3.76	7.92	—	42,409	42,409	1.75	1.03	15.0	42,774
2029	13.2	10.8	106	135	0.30	2.54	10.2	12.7	2.32	2.57	4.88	—	32,868	32,868	1.37	0.94	12.0	33,194
2030	55.6	54.0	86.5	108	0.22	1.46	9.37	10.8	1.35	2.34	3.69	—	24,648	24,648	1.02	0.65	8.65	24,876
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	10.5	8.16	81.5	88.7	0.18	3.52	18.8	22.4	3.25	4.05	7.30	—	23,450	23,450	1.34	1.87	0.68	24,043
2027	22.8	18.9	179	225	0.43	6.27	27.0	31.9	5.77	5.63	10.2	—	47,378	47,378	2.01	2.15	0.78	47,802
2028	16.5	13.6	132	168	0.35	3.78	11.4	15.2	3.46	2.86	6.32	—	37,939	37,939	1.58	1.04	0.37	38,290
2029	39.6	37.0	123	155	0.34	2.68	11.9	14.6	2.45	2.99	5.43	—	36,469	36,469	1.51	1.02	0.34	36,812
2030	32.9	31.5	70.0	87.4	0.19	1.33	7.67	9.00	1.23	1.92	3.15	—	20,859	20,859	0.89	0.65	0.20	21,076
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	3.94	3.06	30.6	33.5	0.07	1.32	6.86	8.18	1.22	1.49	2.71	—	8,921	8,921	0.51	0.71	4.26	9,150
2027	11.5	9.48	88.8	110	0.21	3.22	10.4	13.6	2.97	2.31	5.28	—	23,536	23,536	1.04	0.79	5.11	23,802
2028	10.9	8.99	84.4	105	0.23	2.23	7.98	10.2	2.04	1.93	3.97	—	24,842	24,842	1.04	0.72	4.23	25,088
2029	11.9	10.3	71.8	90.3	0.20	1.68	6.86	8.54	1.53	1.72	3.26	—	22,002	22,002	0.92	0.66	3.52	22,227
2030	17.1	16.7	21.5	25.7	0.06	0.31	2.95	3.27	0.29	0.74	1.03	—	6,330	6,330	0.28	0.26	1.37	6,414
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.72	0.56	5.58	6.11	0.01	0.24	1.25	1.49	0.22	0.27	0.49	—	1,477	1,477	0.08	0.12	0.71	1,515
2027	2.10	1.73	16.2	20.0	0.04	0.59	1.90	2.49	0.54	0.42	0.96	—	3,897	3,897	0.17	0.13	0.85	3,941
2028	1.98	1.64	15.4	19.2	0.04	0.41	1.46	1.86	0.37	0.35	0.72	—	4,113	4,113	0.17	0.12	0.70	4,154
2029	2.17	1.88	13.1	16.5	0.04	0.31	1.25	1.56	0.28	0.31	0.59	—	3,643	3,643	0.15	0.11	0.58	3,680
2030	3.12	3.05	3.93	4.69	0.01	0.06	0.54	0.60	0.05	0.14	0.19	—	1,048	1,048	0.05	0.04	0.23	1,062

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	2.54	1.69	27.0	81.9	0.17	0.33	15.8	16.2	0.33	3.70	4.04	—	22,381	22,381	1.29	1.86	26.0	22,995
2027	6.22	5.26	43.8	185	0.31	1.16	18.3	19.4	1.11	4.29	5.40	—	36,664	36,664	1.65	1.44	22.5	37,156
2028	7.34	6.98	20.8	165	0.28	0.57	14.7	15.3	0.54	3.34	3.87	—	32,910	32,910	1.36	0.95	15.0	33,243
2029	2.47	2.15	13.7	101	0.20	0.40	10.2	10.6	0.38	2.57	2.94	—	23,369	23,369	0.98	0.86	12.0	23,663
2030	22.0	21.8	7.85	53.6	0.10	0.20	9.37	9.57	0.20	2.34	2.54	—	13,252	13,252	0.56	0.56	8.65	13,441
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	2.52	1.64	27.8	81.3	0.17	0.33	15.8	16.2	0.33	3.70	4.04	—	22,317	22,317	1.29	1.87	0.68	22,906
2027	5.70	4.36	50.1	195	0.32	1.05	22.0	23.1	1.00	5.08	6.08	—	37,880	37,880	1.73	2.15	0.78	38,270
2028	3.05	2.72	17.9	135	0.24	0.49	11.4	11.9	0.47	2.86	3.33	—	28,440	28,440	1.20	0.97	0.37	28,759
2029	13.7	13.3	14.1	101	0.20	0.40	11.9	12.3	0.38	2.99	3.36	—	23,646	23,646	0.99	0.92	0.34	23,946
2030	12.5	12.3	8.00	51.6	0.10	0.20	7.67	7.87	0.20	1.92	2.12	—	12,786	12,786	0.56	0.59	0.20	12,975
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.96	0.62	10.4	31.1	0.07	0.13	5.84	5.97	0.13	1.37	1.50	—	8,549	8,549	0.49	0.71	4.26	8,777
2027	2.92	2.48	20.0	97.0	0.17	0.53	9.12	9.64	0.51	2.17	2.68	—	19,676	19,676	0.88	0.76	5.11	19,929
2028	2.28	2.04	11.1	80.3	0.15	0.31	7.67	7.97	0.29	1.90	2.19	—	18,038	18,038	0.76	0.67	4.23	18,261
2029	3.00	2.78	9.20	65.6	0.13	0.26	6.86	7.12	0.25	1.72	1.97	—	15,384	15,384	0.65	0.61	3.52	15,586
2030	7.01	6.91	2.44	10.3	0.02	0.05	2.95	3.00	0.05	0.74	0.79	—	3,286	3,286	0.16	0.23	1.37	3,360
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.18	0.11	1.90	5.68	0.01	0.02	1.07	1.09	0.02	0.25	0.27	—	1,415	1,415	0.08	0.12	0.71	1,453
2027	0.53	0.45	3.66	17.7	0.03	0.10	1.66	1.76	0.09	0.40	0.49	—	3,258	3,258	0.15	0.13	0.85	3,300
2028	0.42	0.37	2.02	14.6	0.03	0.06	1.40	1.46	0.05	0.35	0.40	—	2,986	2,986	0.13	0.11	0.70	3,023

2029	0.55	0.51	1.68	12.0	0.02	0.05	1.25	1.30	0.05	0.31	0.36	—	2,547	2,547	0.11	0.10	0.58	2,580
2030	1.28	1.26	0.45	1.87	< 0.005	0.01	0.54	0.55	0.01	0.14	0.14	—	544	544	0.03	0.04	0.23	556

3. Construction Emissions Details

3.1. 1-C (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.86	1.56	14.2	15.6	0.03	0.53	—	0.53	0.49	—	0.49	—	2,589	2,589	0.11	0.02	—	2,598
Demolition	—	—	—	—	—	—	1.13	1.13	—	0.17	0.17	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.86	1.56	14.2	15.6	0.03	0.53	—	0.53	0.49	—	0.49	—	2,589	2,589	0.11	0.02	—	2,598
Demolition	—	—	—	—	—	—	1.13	1.13	—	0.17	0.17	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.78	0.65	5.96	6.52	0.01	0.22	—	0.22	0.21	—	0.21	—	1,084	1,084	0.04	0.01	—	1,088
Demolition	—	—	—	—	—	—	0.47	0.47	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.09	1.19	< 0.005	0.04	—	0.04	0.04	—	0.04	—	180	180	0.01	< 0.005	—	180
Demolition	—	—	—	—	—	—	0.09	0.09	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.76	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	168	168	< 0.005	0.01	0.61	171
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.43	0.09	5.22	2.53	0.03	0.06	3.91	3.97	0.06	1.01	1.06	—	4,367	4,367	0.34	0.70	9.14	4,594
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.06	0.65	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	156	156	< 0.005	0.01	0.02	158
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.42	0.08	5.50	2.54	0.03	0.06	3.91	3.97	0.06	1.01	1.06	—	4,368	4,368	0.34	0.70	0.24	4,586
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.27	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	66.0	66.0	< 0.005	< 0.005	0.11	66.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.18	0.04	2.26	1.06	0.01	0.02	1.61	1.63	0.02	0.41	0.44	—	1,829	1,829	0.14	0.29	1.65	1,922

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.9	10.9	< 0.005	< 0.005	0.02	11.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.41	0.19	< 0.005	< 0.005	0.29	0.30	< 0.005	0.08	0.08	—	303	303	0.02	0.05	0.27	318

3.2. 1-C (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.28	3.96	15.3	0.03	0.05	—	0.05	0.05	—	0.05	—	2,589	2,589	0.11	0.02	—	2,598
Demolition	—	—	—	—	—	—	0.72	0.72	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.28	3.96	15.3	0.03	0.05	—	0.05	0.05	—	0.05	—	2,589	2,589	0.11	0.02	—	2,598
Demolition	—	—	—	—	—	—	0.72	0.72	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.12	0.12	1.66	6.39	0.01	0.02	—	0.02	0.02	—	0.02	—	1,084	1,084	0.04	0.01	—	1,088
Demolition	—	—	—	—	—	—	0.30	0.30	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.30	1.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	180	180	0.01	< 0.005	—	180
Demolition	—	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.76	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	168	168	< 0.005	0.01	0.61	171
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.43	0.09	5.22	2.53	0.03	0.06	3.91	3.97	0.06	1.01	1.06	—	4,367	4,367	0.34	0.70	9.14	4,594
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.06	0.65	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	156	156	< 0.005	0.01	0.02	158
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.42	0.08	5.50	2.54	0.03	0.06	3.91	3.97	0.06	1.01	1.06	—	4,368	4,368	0.34	0.70	0.24	4,586
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.27	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	66.0	66.0	< 0.005	< 0.005	0.11	66.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.18	0.04	2.26	1.06	0.01	0.02	1.61	1.63	0.02	0.41	0.44	—	1,829	1,829	0.14	0.29	1.65	1,922

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.9	10.9	< 0.005	< 0.005	0.02	11.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.41	0.19	< 0.005	< 0.005	0.29	0.30	< 0.005	0.08	0.08	—	303	303	0.02	0.05	0.27	318

3.3. 1-C (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.80	1.50	13.7	15.4	0.03	0.49	—	0.49	0.45	—	0.45	—	2,589	2,589	0.11	0.02	—	2,598
Demolition	—	—	—	—	—	—	1.13	1.13	—	0.17	0.17	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.07	5.07	< 0.005	< 0.005	—	5.08
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.84	0.84	< 0.005	< 0.005	—	0.84
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.61	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	153	153	< 0.005	0.01	0.01	155
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.40	0.08	5.30	2.49	0.03	0.06	3.91	3.97	0.06	1.01	1.06	—	4,269	4,269	0.34	0.67	0.22	4,478
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.30	0.30	< 0.005	< 0.005	< 0.005	0.31
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	8.35	8.35	< 0.005	< 0.005	0.01	8.77
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.05	0.05	< 0.005	< 0.005	< 0.005	0.05
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.38	1.38	< 0.005	< 0.005	< 0.005	1.45

3.4. 1-C (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.28	3.96	15.3	0.03	0.05	—	0.05	0.05	—	0.05	—	2,589	2,589	0.11	0.02	—	2,598
Demolition	—	—	—	—	—	—	0.72	0.72	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.07	5.07	< 0.005	< 0.005	—	5.08
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.84	0.84	< 0.005	< 0.005	—	0.84
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.61	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	153	153	< 0.005	0.01	0.01	155
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.40	0.08	5.30	2.49	0.03	0.06	3.91	3.97	0.06	1.01	1.06	—	4,269	4,269	0.34	0.67	0.22	4,478
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.30	0.30	< 0.005	< 0.005	< 0.005	0.31
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	8.35	8.35	< 0.005	< 0.005	0.01	8.77
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.05	0.05	< 0.005	< 0.005	< 0.005	0.05
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.38	1.38	< 0.005	< 0.005	< 0.005	1.45

3.5. 1-A (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.20	1.85	16.2	18.0	0.02	0.85	—	0.85	0.78	—	0.78	—	2,528	2,528	0.10	0.02	—	2,537
Dust From Material Movemer	—	—	—	—	—	—	2.12	2.12	—	0.23	0.23	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.20	1.85	16.2	18.0	0.02	0.85	—	0.85	0.78	—	0.78	—	2,528	2,528	0.10	0.02	—	2,537
Dust From Material Movemer	—	—	—	—	—	—	2.12	2.12	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	0.77	6.77	7.53	0.01	0.36	—	0.36	0.33	—	0.33	—	1,059	1,059	0.04	0.01	—	1,062
Dust From Material Movemer	—	—	—	—	—	—	0.89	0.89	—	0.10	0.10	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.24	1.37	< 0.005	0.07	—	0.07	0.06	—	0.06	—	175	175	0.01	< 0.005	—	176
Dust From Material Movemer	—	—	—	—	—	—	0.16	0.16	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.06	1.14	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	252	252	< 0.005	0.01	0.92	256
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.22	0.05	2.71	1.31	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	2,271	2,271	0.18	0.37	4.75	2,389
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.08	0.98	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	234	234	0.01	0.01	0.02	237
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.22	0.04	2.86	1.32	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	2,271	2,271	0.18	0.37	0.12	2,385
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.40	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	98.9	98.9	< 0.005	< 0.005	0.17	100
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.18	0.55	0.01	0.01	0.84	0.85	0.01	0.22	0.23	—	951	951	0.07	0.15	0.86	999
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	16.4	16.4	< 0.005	< 0.005	0.03	16.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.21	0.10	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.04	—	157	157	0.01	0.03	0.14	165

3.6. 1-A (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,962	1,962	0.08	0.02	—	1,968
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,962	1,962	0.08	0.02	—	1,968
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.09	1.40	5.75	0.01	0.02	—	0.02	0.02	—	0.02	—	822	822	0.03	0.01	—	824
Dust From Material Movemer	—	—	—	—	—	—	0.35	0.35	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.26	1.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	136	136	0.01	< 0.005	—	136

Dust From Material Movemer	—	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.06	1.14	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	252	252	< 0.005	0.01	0.92	256
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.22	0.05	2.71	1.31	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	2,271	2,271	0.18	0.37	4.75	2,389
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.08	0.98	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	234	234	0.01	0.01	0.02	237
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.22	0.04	2.86	1.32	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	2,271	2,271	0.18	0.37	0.12	2,385
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.40	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	98.9	98.9	< 0.005	< 0.005	0.17	100
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.18	0.55	0.01	0.01	0.84	0.85	0.01	0.22	0.23	—	951	951	0.07	0.15	0.86	999
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	16.4	16.4	< 0.005	< 0.005	0.03	16.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.21	0.10	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.04	—	157	157	0.01	0.03	0.14	165

3.7. 1-A (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.04	1.71	15.2	17.9	0.02	0.74	—	0.74	0.68	—	0.68	—	2,530	2,530	0.10	0.02	—	2,539
Dust From Material Movemer	—	—	—	—	—	—	2.12	2.12	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.95	4.95	< 0.005	< 0.005	—	4.97
Dust From Material Movemer	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.82	0.82	< 0.005	< 0.005	—	0.82

Dust From Material Movemer	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	0.91	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	229	229	0.01	0.01	0.02	232
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.21	0.04	2.76	1.29	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	2,220	2,220	0.18	0.35	0.11	2,329
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.45	0.45	< 0.005	< 0.005	< 0.005	0.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.34	4.34	< 0.005	< 0.005	< 0.005	4.56
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.08
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.72	0.72	< 0.005	< 0.005	< 0.005	0.75

3.8. 1-A (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,963	1,963	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.84	3.84	< 0.005	< 0.005	—	3.85
Dust From Material Movemer	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.64	0.64	< 0.005	< 0.005	—	0.64
Dust From Material Movemer	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	0.91	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	229	229	0.01	0.01	0.02	232
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.21	0.04	2.76	1.29	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	2,220	2,220	0.18	0.35	0.11	2,329
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.45	0.45	< 0.005	< 0.005	< 0.005	0.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.34	4.34	< 0.005	< 0.005	< 0.005	4.56
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.08
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.72	0.72	< 0.005	< 0.005	< 0.005	0.75

3.9. 1-K (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.47	2.08	18.3	27.1	0.04	0.89	—	0.89	0.82	—	0.82	—	4,112	4,112	0.17	0.03	—	4,126
Dust From Material Movemer	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.20	1.75	2.60	< 0.005	0.09	—	0.09	0.08	—	0.08	—	394	394	0.02	< 0.005	—	396
Dust From Material Movemer	—	—	—	—	—	—	0.31	0.31	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.32	0.48	< 0.005	0.02	—	0.02	0.01	—	0.01	—	65.3	65.3	< 0.005	< 0.005	—	65.5
Dust From Material Movemer	—	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.05	1.01	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	243	243	< 0.005	< 0.005	0.75	245
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	21.9	21.9	< 0.005	< 0.005	0.03	22.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.62	3.62	< 0.005	< 0.005	0.01	3.67
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. 1-K (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,112	4,112	0.17	0.03	—	4,126

Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.31	2.76	< 0.005	0.01	—	0.01	0.01	—	0.01	—	394	394	0.02	< 0.005	—	396
Dust From Material Movemer	—	—	—	—	—	—	0.12	0.12	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.50	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	65.3	65.3	< 0.005	< 0.005	—	65.5
Dust From Material Movemer	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.05	1.01	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	243	243	< 0.005	< 0.005	0.75	245

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	21.9	21.9	< 0.005	< 0.005	0.03	22.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.62	3.62	< 0.005	< 0.005	0.01	3.67
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. 1-B (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.20	1.85	16.2	18.0	0.02	0.85	—	0.85	0.78	—	0.78	—	2,528	2,528	0.10	0.02	—	2,537
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.20	1.85	16.2	18.0	0.02	0.85	—	0.85	0.78	—	0.78	—	2,528	2,528	0.10	0.02	—	2,537
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	0.44	3.86	4.29	0.01	0.20	—	0.20	0.19	—	0.19	—	604	604	0.02	< 0.005	—	606
Dust From Material Movemer	—	—	—	—	—	—	0.51	0.51	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.70	0.78	< 0.005	0.04	—	0.04	0.03	—	0.03	—	99.9	99.9	< 0.005	< 0.005	—	100
Dust From Material Movemer	—	—	—	—	—	—	0.09	0.09	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.06	1.14	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	252	252	< 0.005	0.01	0.92	256
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.22	0.05	2.71	1.31	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	2,271	2,271	0.18	0.37	4.75	2,389
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.08	0.98	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	234	234	0.01	0.01	0.02	237
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.22	0.04	2.86	1.32	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	2,271	2,271	0.18	0.37	0.12	2,385
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	56.4	56.4	< 0.005	< 0.005	0.09	57.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.67	0.31	< 0.005	0.01	0.48	0.48	0.01	0.12	0.13	—	542	542	0.04	0.09	0.49	570
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	9.34	9.34	< 0.005	< 0.005	0.02	9.47
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	89.8	89.8	0.01	0.01	0.08	94.3

3.12. 1-B (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,962	1,962	0.08	0.02	—	1,968
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,962	1,962	0.08	0.02	—	1,968
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.80	3.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	468	468	0.02	< 0.005	—	470
Dust From Material Movemer	—	—	—	—	—	—	0.20	0.20	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.01	0.15	0.60	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	77.5	77.5	< 0.005	< 0.005	—	77.8
Dust From Material Movemer	—	—	—	—	—	—	0.04	0.04	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.06	1.14	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	252	252	< 0.005	0.01	0.92	256
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.22	0.05	2.71	1.31	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	2,271	2,271	0.18	0.37	4.75	2,389
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.08	0.98	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	234	234	0.01	0.01	0.02	237
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.22	0.04	2.86	1.32	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	2,271	2,271	0.18	0.37	0.12	2,385
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	56.4	56.4	< 0.005	< 0.005	0.09	57.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.67	0.31	< 0.005	0.01	0.48	0.48	0.01	0.12	0.13	—	542	542	0.04	0.09	0.49	570
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	9.34	9.34	< 0.005	< 0.005	0.02	9.47
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	89.8	89.8	0.01	0.01	0.08	94.3

3.13. 1-B (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.04	1.71	15.2	17.9	0.02	0.74	—	0.74	0.68	—	0.68	—	2,530	2,530	0.10	0.02	—	2,539
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.04	1.71	15.2	17.9	0.02	0.74	—	0.74	0.68	—	0.68	—	2,530	2,530	0.10	0.02	—	2,539
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.61	0.51	4.53	5.32	0.01	0.22	—	0.22	0.20	—	0.20	—	753	753	0.03	0.01	—	755

Dust From Material Movemer	—	—	—	—	—	—	0.63	0.63	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.83	0.97	< 0.005	0.04	—	0.04	0.04	—	0.04	—	125	125	0.01	< 0.005	—	125
Dust From Material Movemer	—	—	—	—	—	—	0.12	0.12	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	1.07	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	248	248	< 0.005	0.01	0.83	251
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.21	0.05	2.61	1.29	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	2,219	2,219	0.18	0.35	4.36	2,332
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	0.91	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	229	229	0.01	0.01	0.02	232
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.21	0.04	2.76	1.29	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	2,220	2,220	0.18	0.35	0.11	2,329
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.27	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	69.0	69.0	< 0.005	< 0.005	0.11	70.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.06	0.01	0.80	0.38	< 0.005	0.01	0.59	0.60	0.01	0.15	0.16	—	660	660	0.05	0.10	0.56	693
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	11.4	11.4	< 0.005	< 0.005	0.02	11.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	109	109	0.01	0.02	0.09	115

3.14. 1-B (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,963	1,963	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,963	1,963	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.99	4.08	0.01	0.01	—	0.01	0.01	—	0.01	—	584	584	0.02	< 0.005	—	586
Dust From Material Movemer	—	—	—	—	—	—	0.25	0.25	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.18	0.74	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	96.7	96.7	< 0.005	< 0.005	—	97.0
Dust From Material Movemer	—	—	—	—	—	—	0.05	0.05	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	1.07	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	248	248	< 0.005	0.01	0.83	251
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.21	0.05	2.61	1.29	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	2,219	2,219	0.18	0.35	4.36	2,332
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	0.91	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	229	229	0.01	0.01	0.02	232

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.21	0.04	2.76	1.29	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	2,220	2,220	0.18	0.35	0.11	2,329
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.27	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	69.0	69.0	< 0.005	< 0.005	0.11	70.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	0.01	0.80	0.38	< 0.005	0.01	0.59	0.60	0.01	0.15	0.16	—	660	660	0.05	0.10	0.56	693
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	11.4	11.4	< 0.005	< 0.005	0.02	11.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	109	109	0.01	0.02	0.09	115

3.15. 1-J (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.47	2.08	18.3	27.1	0.04	0.89	—	0.89	0.82	—	0.82	—	4,112	4,112	0.17	0.03	—	4,126
Dust From Material Movemer	—	—	—	—	—	—	3.20	3.20	—	0.35	0.35	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.14	1.20	1.79	< 0.005	0.06	—	0.06	0.05	—	0.05	—	270	270	0.01	< 0.005	—	271
Dust From Material Movemer	—	—	—	—	—	—	0.21	0.21	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.22	0.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	44.8	44.8	< 0.005	< 0.005	—	44.9
Dust From Material Movemer	—	—	—	—	—	—	0.04	0.04	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.05	1.01	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	243	243	< 0.005	< 0.005	0.75	245
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	15.0	15.0	< 0.005	< 0.005	0.02	15.2

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.48	2.48	< 0.005	< 0.005	< 0.005	2.52
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. 1-J (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,112	4,112	0.17	0.03	—	4,126
Dust From Material Movemer	—	—	—	—	—	—	1.25	1.25	—	0.14	0.14	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.21	1.89	< 0.005	0.01	—	0.01	0.01	—	0.01	—	270	270	0.01	< 0.005	—	271

Dust From Material Movemer	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.34	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	44.8	44.8	< 0.005	< 0.005	—	44.9
Dust From Material Movemer	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.05	1.01	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	243	243	< 0.005	< 0.005	0.75	245
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	15.0	15.0	< 0.005	< 0.005	0.02	15.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.48	2.48	< 0.005	< 0.005	< 0.005	2.52

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. 1-D-1-A (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.12	1.52	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	382	382	0.01	0.02	0.04	387
Vendor	0.06	0.02	0.82	0.40	< 0.005	0.01	0.64	0.65	0.01	0.16	0.17	—	650	650	0.04	0.10	0.04	680
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.26	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	67.8	67.8	< 0.005	< 0.005	0.10	68.8
Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	114	114	0.01	0.02	0.11	119
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	11.2	11.2	< 0.005	< 0.005	0.02	11.4
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	18.9	18.9	< 0.005	< 0.005	0.02	19.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.18. 1-D-1-A (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.12	1.52	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	382	382	0.01	0.02	0.04	387
Vendor	0.06	0.02	0.82	0.40	< 0.005	0.01	0.64	0.65	0.01	0.16	0.17	—	650	650	0.04	0.10	0.04	680
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.26	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	67.8	67.8	< 0.005	< 0.005	0.10	68.8
Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	114	114	0.01	0.02	0.11	119
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	11.2	11.2	< 0.005	< 0.005	0.02	11.4
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	18.9	18.9	< 0.005	< 0.005	0.02	19.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.19. 1-D-1-C (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.69	5.58	55.0	64.5	0.13	1.50	—	1.50	1.38	—	1.38	—	13,470	13,470	0.55	0.11	—	13,517
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.69	5.58	55.0	64.5	0.13	1.50	—	1.50	1.38	—	1.38	—	13,470	13,470	0.55	0.11	—	13,517
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.60	3.01	29.6	34.7	0.07	0.81	—	0.81	0.74	—	0.74	—	7,249	7,249	0.29	0.06	—	7,274
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	0.55	5.41	6.34	0.01	0.15	—	0.15	0.14	—	0.14	—	1,200	1,200	0.05	0.01	—	1,204
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.17	2.85	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	660	660	0.01	0.03	2.22	671
Vendor	0.11	0.03	1.54	0.69	0.01	0.02	1.52	1.54	0.02	0.39	0.41	—	1,511	1,511	0.08	0.22	3.40	1,583
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.20	2.43	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	612	612	0.01	0.03	0.06	620

Vendor	0.11	0.03	1.62	0.70	0.01	0.02	1.52	1.54	0.02	0.39	0.41	—	1,511	1,511	0.07	0.22	0.09	1,580
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.11	0.10	1.30	0.00	0.00	1.44	1.44	0.00	0.35	0.35	—	333	333	0.01	0.01	0.51	338
Vendor	0.06	0.02	0.86	0.37	0.01	0.01	0.80	0.82	0.01	0.21	0.22	—	813	813	0.04	0.12	0.79	851
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	55.1	55.1	< 0.005	< 0.005	0.09	55.9
Vendor	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.04	—	135	135	0.01	0.02	0.13	141
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.20. 1-D-1-C (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,721	8,721	0.35	0.07	—	8,751
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,721	8,721	0.35	0.07	—	8,751

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.44	2.31	25.1	0.04	0.09	—	0.09	0.09	—	0.09	—	4,693	4,693	0.19	0.04	—	4,709
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	0.42	4.59	0.01	0.02	—	0.02	0.02	—	0.02	—	777	777	0.03	0.01	—	780
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.17	2.85	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	660	660	0.01	0.03	2.22	671
Vendor	0.11	0.03	1.54	0.69	0.01	0.02	1.52	1.54	0.02	0.39	0.41	—	1,511	1,511	0.08	0.22	3.40	1,583
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.20	2.43	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	612	612	0.01	0.03	0.06	620
Vendor	0.11	0.03	1.62	0.70	0.01	0.02	1.52	1.54	0.02	0.39	0.41	—	1,511	1,511	0.07	0.22	0.09	1,580
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.11	0.10	1.30	0.00	0.00	1.44	1.44	0.00	0.35	0.35	—	333	333	0.01	0.01	0.51	338
Vendor	0.06	0.02	0.86	0.37	0.01	0.01	0.80	0.82	0.01	0.21	0.22	—	813	813	0.04	0.12	0.79	851

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	55.1	55.1	< 0.005	< 0.005	0.09	55.9
Vendor	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.04	—	135	135	0.01	0.02	0.13	141
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. 1-D-1-C (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.41	5.35	52.5	64.3	0.13	1.35	—	1.35	1.24	—	1.24	—	13,474	13,474	0.55	0.11	—	13,520
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.41	5.35	52.5	64.3	0.13	1.35	—	1.35	1.24	—	1.24	—	13,474	13,474	0.55	0.11	—	13,520
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.59	3.83	37.6	46.1	0.10	0.96	—	0.96	0.89	—	0.89	—	9,651	9,651	0.39	0.08	—	9,684

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.84	0.70	6.86	8.41	0.02	0.18	—	0.18	0.16	—	0.16	—	1,598	1,598	0.06	0.01	—	1,603
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.15	2.68	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	649	649	0.01	0.01	1.99	653
Vendor	0.11	0.03	1.45	0.65	0.01	0.02	1.52	1.54	0.01	0.39	0.40	—	1,473	1,473	0.06	0.21	3.01	1,542
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.21	0.20	2.29	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	601	601	0.01	0.03	0.05	609
Vendor	0.10	0.03	1.54	0.66	0.01	0.02	1.52	1.54	0.01	0.39	0.40	—	1,474	1,474	0.06	0.21	0.08	1,539
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.12	1.63	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	435	435	0.01	0.02	0.62	442
Vendor	0.08	0.02	1.08	0.47	0.01	0.02	1.07	1.09	0.01	0.28	0.28	—	1,055	1,055	0.05	0.15	0.93	1,103
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.30	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	72.1	72.1	< 0.005	< 0.005	0.10	73.1
Vendor	0.01	< 0.005	0.20	0.09	< 0.005	< 0.005	0.20	0.20	< 0.005	0.05	0.05	—	175	175	0.01	0.03	0.15	183
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.22. 1-D-1-C (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,725	8,725	0.35	0.07	—	8,754
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,725	8,725	0.35	0.07	—	8,754
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.59	3.08	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,249	6,249	0.25	0.05	—	6,270
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.56	6.10	0.01	0.02	—	0.02	0.02	—	0.02	—	1,035	1,035	0.04	0.01	—	1,038

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.15	2.68	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	649	649	0.01	0.01	1.99	653
Vendor	0.11	0.03	1.45	0.65	0.01	0.02	1.52	1.54	0.01	0.39	0.40	—	1,473	1,473	0.06	0.21	3.01	1,542
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.21	0.20	2.29	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	601	601	0.01	0.03	0.05	609
Vendor	0.10	0.03	1.54	0.66	0.01	0.02	1.52	1.54	0.01	0.39	0.40	—	1,474	1,474	0.06	0.21	0.08	1,539
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.12	1.63	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	435	435	0.01	0.02	0.62	442
Vendor	0.08	0.02	1.08	0.47	0.01	0.02	1.07	1.09	0.01	0.28	0.28	—	1,055	1,055	0.05	0.15	0.93	1,103
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.30	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	72.1	72.1	< 0.005	< 0.005	0.10	73.1
Vendor	0.01	< 0.005	0.20	0.09	< 0.005	< 0.005	0.20	0.20	< 0.005	0.05	0.05	—	175	175	0.01	0.03	0.15	183
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.23. 1-D-1-C (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.18	5.16	50.6	63.9	0.13	1.23	—	1.23	1.14	—	1.14	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.18	5.16	50.6	63.9	0.13	1.23	—	1.23	1.14	—	1.14	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.67	3.06	30.0	37.9	0.08	0.73	—	0.73	0.67	—	0.67	—	7,989	7,989	0.32	0.06	—	8,016
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.56	5.48	6.91	0.01	0.13	—	0.13	0.12	—	0.12	—	1,323	1,323	0.05	0.01	—	1,327
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.23	0.20	0.14	2.53	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	638	638	0.01	0.01	1.78	642
Vendor	0.10	0.03	1.38	0.63	0.01	0.02	1.52	1.54	0.01	0.39	0.40	—	1,432	1,432	0.06	0.21	2.66	1,499
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.20	0.17	2.17	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	591	591	0.01	0.03	0.05	599
Vendor	0.10	0.03	1.46	0.64	0.01	0.02	1.52	1.54	0.01	0.39	0.40	—	1,432	1,432	0.06	0.21	0.07	1,497
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.09	1.26	0.00	0.00	1.58	1.58	0.00	0.39	0.39	—	354	354	0.01	0.02	0.45	360
Vendor	0.06	0.02	0.85	0.38	0.01	0.01	0.89	0.90	0.01	0.23	0.23	—	849	849	0.04	0.13	0.68	888
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	58.7	58.7	< 0.005	< 0.005	0.08	59.5
Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.16	0.16	< 0.005	0.04	0.04	—	141	141	0.01	0.02	0.11	147
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.24. 1-D-1-C (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	0.49	2.55	27.7	0.05	0.10	—	0.10	0.10	—	0.10	—	5,172	5,172	0.21	0.04	—	5,190
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.09	0.46	5.05	0.01	0.02	—	0.02	0.02	—	0.02	—	856	856	0.03	0.01	—	859
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.20	0.14	2.53	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	638	638	0.01	0.01	1.78	642
Vendor	0.10	0.03	1.38	0.63	0.01	0.02	1.52	1.54	0.01	0.39	0.40	—	1,432	1,432	0.06	0.21	2.66	1,499
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.22	0.20	0.17	2.17	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	591	591	0.01	0.03	0.05	599
Vendor	0.10	0.03	1.46	0.64	0.01	0.02	1.52	1.54	0.01	0.39	0.40	—	1,432	1,432	0.06	0.21	0.07	1,497
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.09	1.26	0.00	0.00	1.58	1.58	0.00	0.39	0.39	—	354	354	0.01	0.02	0.45	360
Vendor	0.06	0.02	0.85	0.38	0.01	0.01	0.89	0.90	0.01	0.23	0.23	—	849	849	0.04	0.13	0.68	888
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	58.7	58.7	< 0.005	< 0.005	0.08	59.5
Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.16	0.16	< 0.005	0.04	0.04	—	141	141	0.01	0.02	0.11	147
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.25. 1-D-2-A (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.10	1.78	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	413	413	0.01	0.02	1.39	419
Vendor	0.06	0.02	0.79	0.39	< 0.005	0.01	0.64	0.65	0.01	0.16	0.17	—	649	649	0.04	0.10	1.43	680
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.27	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	69.9	69.9	< 0.005	< 0.005	0.11	70.9
Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.11	0.12	< 0.005	0.03	0.03	—	117	117	0.01	0.02	0.11	123
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	11.6	11.6	< 0.005	< 0.005	0.02	11.7
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	19.4	19.4	< 0.005	< 0.005	0.02	20.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.26. 1-D-2-A (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.10	1.78	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	413	413	0.01	0.02	1.39	419
Vendor	0.06	0.02	0.79	0.39	< 0.005	0.01	0.64	0.65	0.01	0.16	0.17	—	649	649	0.04	0.10	1.43	680
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.27	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	69.9	69.9	< 0.005	< 0.005	0.11	70.9
Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.11	0.12	< 0.005	0.03	0.03	—	117	117	0.01	0.02	0.11	123
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	11.6	11.6	< 0.005	< 0.005	0.02	11.7
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	19.4	19.4	< 0.005	< 0.005	0.02	20.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.27. 1-D-2-C (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.69	5.58	55.0	64.5	0.13	1.50	—	1.50	1.38	—	1.38	—	13,470	13,470	0.55	0.11	—	13,517
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.69	5.58	55.0	64.5	0.13	1.50	—	1.50	1.38	—	1.38	—	13,470	13,470	0.55	0.11	—	13,517
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.60	1.33	13.1	15.4	0.03	0.36	—	0.36	0.33	—	0.33	—	3,216	3,216	0.13	0.03	—	3,227
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.24	2.40	2.81	0.01	0.07	—	0.07	0.06	—	0.06	—	532	532	0.02	< 0.005	—	534
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.17	2.85	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	660	660	0.01	0.03	2.22	671
Vendor	0.11	0.03	1.54	0.69	0.01	0.02	1.52	1.54	0.02	0.39	0.41	—	1,511	1,511	0.08	0.22	3.40	1,583
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.20	2.43	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	612	612	0.01	0.03	0.06	620
Vendor	0.11	0.03	1.62	0.70	0.01	0.02	1.52	1.54	0.02	0.39	0.41	—	1,511	1,511	0.07	0.22	0.09	1,580
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.58	0.00	0.00	0.64	0.64	0.00	0.16	0.16	—	148	148	< 0.005	0.01	0.23	150
Vendor	0.03	0.01	0.38	0.17	< 0.005	0.01	0.36	0.36	0.01	0.09	0.10	—	361	361	0.02	0.05	0.35	378
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	24.4	24.4	< 0.005	< 0.005	0.04	24.8
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	59.7	59.7	< 0.005	0.01	0.06	62.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.28. 1-D-2-C (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,721	8,721	0.35	0.07	—	8,751
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,721	8,721	0.35	0.07	—	8,751
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.20	1.03	11.1	0.02	0.04	—	0.04	0.04	—	0.04	—	2,082	2,082	0.08	0.02	—	2,089
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.19	2.03	< 0.005	0.01	—	0.01	0.01	—	0.01	—	345	345	0.01	< 0.005	—	346
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.22	0.17	2.85	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	660	660	0.01	0.03	2.22	671
Vendor	0.11	0.03	1.54	0.69	0.01	0.02	1.52	1.54	0.02	0.39	0.41	—	1,511	1,511	0.08	0.22	3.40	1,583
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.20	2.43	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	612	612	0.01	0.03	0.06	620
Vendor	0.11	0.03	1.62	0.70	0.01	0.02	1.52	1.54	0.02	0.39	0.41	—	1,511	1,511	0.07	0.22	0.09	1,580
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.58	0.00	0.00	0.64	0.64	0.00	0.16	0.16	—	148	148	< 0.005	0.01	0.23	150
Vendor	0.03	0.01	0.38	0.17	< 0.005	0.01	0.36	0.36	0.01	0.09	0.10	—	361	361	0.02	0.05	0.35	378
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	24.4	24.4	< 0.005	< 0.005	0.04	24.8
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	59.7	59.7	< 0.005	0.01	0.06	62.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.29. 1-D-2-C (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.41	5.35	52.5	64.3	0.13	1.35	—	1.35	1.24	—	1.24	—	13,474	13,474	0.55	0.11	—	13,520
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	6.41	5.35	52.5	64.3	0.13	1.35	—	1.35	1.24	—	1.24	—	13,474	13,474	0.55	0.11	—	13,520
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.59	3.83	37.6	46.1	0.10	0.96	—	0.96	0.89	—	0.89	—	9,651	9,651	0.39	0.08	—	9,684
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.84	0.70	6.86	8.41	0.02	0.18	—	0.18	0.16	—	0.16	—	1,598	1,598	0.06	0.01	—	1,603
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.15	2.68	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	649	649	0.01	0.01	1.99	653
Vendor	0.11	0.03	1.45	0.65	0.01	0.02	1.52	1.54	0.01	0.39	0.40	—	1,473	1,473	0.06	0.21	3.01	1,542
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.21	0.20	2.29	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	601	601	0.01	0.03	0.05	609
Vendor	0.10	0.03	1.54	0.66	0.01	0.02	1.52	1.54	0.01	0.39	0.40	—	1,474	1,474	0.06	0.21	0.08	1,539
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.16	0.15	0.12	1.63	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	435	435	0.01	0.02	0.62	442
Vendor	0.08	0.02	1.08	0.47	0.01	0.02	1.07	1.09	0.01	0.28	0.28	—	1,055	1,055	0.05	0.15	0.93	1,103
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.30	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	72.1	72.1	< 0.005	< 0.005	0.10	73.1
Vendor	0.01	< 0.005	0.20	0.09	< 0.005	< 0.005	0.20	0.20	< 0.005	0.05	0.05	—	175	175	0.01	0.03	0.15	183
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.30. 1-D-2-C (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,725	8,725	0.35	0.07	—	8,754
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,725	8,725	0.35	0.07	—	8,754
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.59	0.59	3.08	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,249	6,249	0.25	0.05	—	6,270
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.56	6.10	0.01	0.02	—	0.02	0.02	—	0.02	—	1,035	1,035	0.04	0.01	—	1,038
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.15	2.68	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	649	649	0.01	0.01	1.99	653
Vendor	0.11	0.03	1.45	0.65	0.01	0.02	1.52	1.54	0.01	0.39	0.40	—	1,473	1,473	0.06	0.21	3.01	1,542
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.21	0.20	2.29	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	601	601	0.01	0.03	0.05	609
Vendor	0.10	0.03	1.54	0.66	0.01	0.02	1.52	1.54	0.01	0.39	0.40	—	1,474	1,474	0.06	0.21	0.08	1,539
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.12	1.63	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	435	435	0.01	0.02	0.62	442
Vendor	0.08	0.02	1.08	0.47	0.01	0.02	1.07	1.09	0.01	0.28	0.28	—	1,055	1,055	0.05	0.15	0.93	1,103
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.30	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	72.1	72.1	< 0.005	< 0.005	0.10	73.1
Vendor	0.01	< 0.005	0.20	0.09	< 0.005	< 0.005	0.20	0.20	< 0.005	0.05	0.05	—	175	175	0.01	0.03	0.15	183

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.31. 1-D-2-C (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.18	5.16	50.6	63.9	0.13	1.23	—	1.23	1.14	—	1.14	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.18	5.16	50.6	63.9	0.13	1.23	—	1.23	1.14	—	1.14	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.42	3.69	36.1	45.6	0.10	0.88	—	0.88	0.81	—	0.81	—	9,623	9,623	0.39	0.08	—	9,656
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.81	0.67	6.60	8.33	0.02	0.16	—	0.16	0.15	—	0.15	—	1,593	1,593	0.06	0.01	—	1,599
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.20	0.14	2.53	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	638	638	0.01	0.01	1.78	642
Vendor	0.10	0.03	1.38	0.63	0.01	0.02	1.52	1.54	0.01	0.39	0.40	—	1,432	1,432	0.06	0.21	2.66	1,499
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.20	0.17	2.17	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	591	591	0.01	0.03	0.05	599
Vendor	0.10	0.03	1.46	0.64	0.01	0.02	1.52	1.54	0.01	0.39	0.40	—	1,432	1,432	0.06	0.21	0.07	1,497
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.11	1.52	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	427	427	0.01	0.02	0.55	433
Vendor	0.07	0.02	1.02	0.45	0.01	0.02	1.07	1.08	0.01	0.27	0.28	—	1,023	1,023	0.05	0.15	0.82	1,070
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.28	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	70.7	70.7	< 0.005	< 0.005	0.09	71.7
Vendor	0.01	< 0.005	0.19	0.08	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	169	169	0.01	0.03	0.14	177
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.32. 1-D-2-C (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.59	3.07	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,231	6,231	0.25	0.05	—	6,252
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.56	6.09	0.01	0.02	—	0.02	0.02	—	0.02	—	1,032	1,032	0.04	0.01	—	1,035
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.20	0.14	2.53	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	638	638	0.01	0.01	1.78	642
Vendor	0.10	0.03	1.38	0.63	0.01	0.02	1.52	1.54	0.01	0.39	0.40	—	1,432	1,432	0.06	0.21	2.66	1,499
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.20	0.17	2.17	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	591	591	0.01	0.03	0.05	599
Vendor	0.10	0.03	1.46	0.64	0.01	0.02	1.52	1.54	0.01	0.39	0.40	—	1,432	1,432	0.06	0.21	0.07	1,497
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.11	1.52	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	427	427	0.01	0.02	0.55	433
Vendor	0.07	0.02	1.02	0.45	0.01	0.02	1.07	1.08	0.01	0.27	0.28	—	1,023	1,023	0.05	0.15	0.82	1,070
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.28	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	70.7	70.7	< 0.005	< 0.005	0.09	71.7
Vendor	0.01	< 0.005	0.19	0.08	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	169	169	0.01	0.03	0.14	177
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.33. 1-D-2-C (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	6.01	5.02	49.6	63.8	0.13	1.17	—	1.17	1.08	—	1.08	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.01	5.02	49.6	63.8	0.13	1.17	—	1.17	1.08	—	1.08	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	0.89	8.84	11.4	0.02	0.21	—	0.21	0.19	—	0.19	—	2,399	2,399	0.10	0.02	—	2,407
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.16	1.61	2.07	< 0.005	0.04	—	0.04	0.03	—	0.03	—	397	397	0.02	< 0.005	—	399
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.20	0.12	2.38	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	628	628	0.01	0.01	1.58	631
Vendor	0.10	0.02	1.31	0.60	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,386	1,386	0.06	0.20	2.33	1,450
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.19	0.15	2.05	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	582	582	0.01	0.03	0.04	590
Vendor	0.10	0.02	1.37	0.61	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,387	1,387	0.06	0.20	0.06	1,449
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.36	0.00	0.00	0.48	0.48	0.00	0.12	0.12	—	105	105	< 0.005	< 0.005	0.12	105
Vendor	0.02	< 0.005	0.24	0.11	< 0.005	< 0.005	0.27	0.27	< 0.005	0.07	0.07	—	247	247	0.01	0.04	0.18	258
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	17.3	17.3	< 0.005	< 0.005	0.02	17.4
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	40.9	40.9	< 0.005	0.01	0.03	42.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.34. 1-D-2-C (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	0.77	8.32	0.01	0.03	—	0.03	0.03	—	0.03	—	1,553	1,553	0.06	0.01	—	1,559
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.14	1.52	< 0.005	0.01	—	0.01	0.01	—	0.01	—	257	257	0.01	< 0.005	—	258
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.20	0.12	2.38	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	628	628	0.01	0.01	1.58	631
Vendor	0.10	0.02	1.31	0.60	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,386	1,386	0.06	0.20	2.33	1,450
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.19	0.15	2.05	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	582	582	0.01	0.03	0.04	590
Vendor	0.10	0.02	1.37	0.61	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,387	1,387	0.06	0.20	0.06	1,449
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.03	0.03	0.03	0.36	0.00	0.00	0.48	0.48	0.00	0.12	0.12	—	105	105	< 0.005	< 0.005	0.12	105
Vendor	0.02	< 0.005	0.24	0.11	< 0.005	< 0.005	0.27	0.27	< 0.005	0.07	0.07	—	247	247	0.01	0.04	0.18	258
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	17.3	17.3	< 0.005	< 0.005	0.02	17.4
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	40.9	40.9	< 0.005	0.01	0.03	42.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.35. 1-M (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.19	0.04	2.30	1.11	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,921	1,921	0.15	0.31	4.02	2,021
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.19	0.04	2.42	1.12	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,922	1,922	0.15	0.31	0.10	2,018
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.02	0.99	0.47	0.01	0.01	0.71	0.72	0.01	0.18	0.19	—	805	805	0.06	0.13	0.73	846
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.18	0.09	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.04	—	133	133	0.01	0.02	0.12	140

3.36. 1-M (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.19	0.04	2.30	1.11	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,921	1,921	0.15	0.31	4.02	2,021
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.19	0.04	2.42	1.12	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,922	1,922	0.15	0.31	0.10	2,018
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.02	0.99	0.47	0.01	0.01	0.71	0.72	0.01	0.18	0.19	—	805	805	0.06	0.13	0.73	846
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.18	0.09	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.04	—	133	133	0.01	0.02	0.12	140

3.37. 1-M (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.18	0.04	2.21	1.09	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,878	1,878	0.15	0.30	3.69	1,973

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.17	0.04	2.33	1.10	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,878	1,878	0.15	0.30	0.10	1,970
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	1.63	0.78	0.01	0.02	1.21	1.23	0.02	0.31	0.33	—	1,341	1,341	0.11	0.21	1.14	1,408
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.30	0.14	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	222	222	0.02	0.04	0.19	233

3.38. 1-M (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.18	0.04	2.21	1.09	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,878	1,878	0.15	0.30	3.69	1,973
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.17	0.04	2.33	1.10	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,878	1,878	0.15	0.30	0.10	1,970
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	1.63	0.78	0.01	0.02	1.21	1.23	0.02	0.31	0.33	—	1,341	1,341	0.11	0.21	1.14	1,408
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.30	0.14	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	222	222	0.02	0.04	0.19	233

3.39. 1-M (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.18	0.04	2.13	1.05	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,829	1,829	0.14	0.30	3.38	1,924
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.17	0.04	2.24	1.06	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,830	1,830	0.14	0.30	0.09	1,921
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	1.58	0.76	0.01	0.02	1.21	1.23	0.02	0.31	0.33	—	1,310	1,310	0.10	0.21	1.05	1,377
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.29	0.14	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	217	217	0.02	0.04	0.17	228

3.40. 1-M (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.18	0.04	2.13	1.05	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,829	1,829	0.14	0.30	3.38	1,924
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.17	0.04	2.24	1.06	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,830	1,830	0.14	0.30	0.09	1,921
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	1.58	0.76	0.01	0.02	1.21	1.23	0.02	0.31	0.33	—	1,310	1,310	0.10	0.21	1.05	1,377
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.29	0.14	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	217	217	0.02	0.04	0.17	228

3.41. 1-M (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.16	0.03	2.05	1.03	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,778	1,778	0.12	0.28	3.09	1,869
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.16	0.02	2.17	1.04	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,779	1,779	0.12	0.28	0.08	1,867
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	0.02	1.52	0.74	0.01	0.02	1.21	1.23	0.02	0.31	0.33	—	1,270	1,270	0.09	0.20	0.95	1,334
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.28	0.13	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	210	210	0.01	0.03	0.16	221

3.42. 1-M (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.16	0.03	2.05	1.03	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,778	1,778	0.12	0.28	3.09	1,869
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.16	0.02	2.17	1.04	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,779	1,779	0.12	0.28	0.08	1,867
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	0.02	1.52	0.74	0.01	0.02	1.21	1.23	0.02	0.31	0.33	—	1,270	1,270	0.09	0.20	0.95	1,334
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.28	0.13	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	210	210	0.01	0.03	0.16	221

3.43. 1-M (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.15	0.03	1.98	0.99	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,727	1,727	0.12	0.27	2.77	1,814
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.15	0.02	2.09	1.00	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,727	1,727	0.12	0.27	0.07	1,812
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.35	0.65	0.01	0.02	1.11	1.12	0.02	0.29	0.30	—	1,132	1,132	0.08	0.18	0.79	1,188
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.25	0.12	< 0.005	< 0.005	0.20	0.21	< 0.005	0.05	0.05	—	187	187	0.01	0.03	0.13	197

3.44. 1-M (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.15	0.03	1.98	0.99	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,727	1,727	0.12	0.27	2.77	1,814
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.15	0.02	2.09	1.00	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,727	1,727	0.12	0.27	0.07	1,812
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.35	0.65	0.01	0.02	1.11	1.12	0.02	0.29	0.30	—	1,132	1,132	0.08	0.18	0.79	1,188
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.25	0.12	< 0.005	< 0.005	0.20	0.21	< 0.005	0.05	0.05	—	187	187	0.01	0.03	0.13	197

3.45. 1-L (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.78	2.34	21.1	31.3	0.04	1.02	—	1.02	0.94	—	0.94	—	4,743	4,743	0.19	0.04	—	4,760
Architectural Coatings	3.56	3.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.19	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.22	1.96	2.91	< 0.005	0.09	—	0.09	0.09	—	0.09	—	442	442	0.02	< 0.005	—	443
Architectural Coatings	0.33	0.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Paving	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.36	0.53	< 0.005	0.02	—	0.02	0.02	—	0.02	—	73.2	73.2	< 0.005	< 0.005	—	73.4
Architectural Coatings	0.06	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.06	1.17	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	284	284	< 0.005	< 0.005	0.87	286
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	24.8	24.8	< 0.005	< 0.005	0.03	25.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	4.10	4.10	< 0.005	< 0.005	0.01	4.16
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.46. 1-L (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.46	3.52	33.2	0.04	0.09	—	0.09	0.09	—	0.09	—	4,743	4,743	0.19	0.04	—	4,760
Architectural Coatings	3.56	3.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.19	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.33	3.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	442	442	0.02	< 0.005	—	443
Architectural Coatings	0.33	0.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.56	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	73.2	73.2	< 0.005	< 0.005	—	73.4
Architectural Coatings	0.06	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.06	1.17	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	284	284	< 0.005	< 0.005	0.87	286
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	24.8	24.8	< 0.005	< 0.005	0.03	25.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	4.10	4.10	< 0.005	< 0.005	0.01	4.16
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.47. 1-E-1 (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.29	1.08	16.7	18.8	0.03	0.14	—	0.14	0.13	—	0.13	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	25.0	25.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.13	2.06	2.31	< 0.005	0.02	—	0.02	0.02	—	0.02	—	410	410	0.02	< 0.005	—	411
Architectural Coatings	3.09	3.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.03	0.02	0.38	0.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	67.8	67.8	< 0.005	< 0.005	—	68.1
Architectural Coatings	0.56	0.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.11	1.35	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	369	369	0.01	0.02	0.03	375
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.16	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	46.1	46.1	< 0.005	< 0.005	0.06	46.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	7.62	7.62	< 0.005	< 0.005	0.01	7.74
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.48. 1-E-1 (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	11.1	11.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	1.37	1.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Architectural Coating	0.25	0.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.11	1.35	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	369	369	0.01	0.02	0.03	375
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.16	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	46.1	46.1	< 0.005	< 0.005	0.06	46.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	7.62	7.62	< 0.005	< 0.005	0.01	7.74
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.49. 1-E-1 (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.27	1.06	16.6	18.7	0.03	0.13	—	0.13	0.12	—	0.12	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	25.0	25.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.27	1.06	16.6	18.7	0.03	0.13	—	0.13	0.12	—	0.12	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	25.0	25.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	0.25	3.94	4.44	0.01	0.03	—	0.03	0.03	—	0.03	—	787	787	0.03	0.01	—	790
Architectural Coatings	5.93	5.93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.72	0.81	< 0.005	0.01	—	0.01	0.01	—	0.01	—	130	130	0.01	< 0.005	—	131

Architect Coatings	1.08	1.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.08	1.49	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	392	392	0.01	< 0.005	0.98	394
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.09	1.28	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	364	364	0.01	0.02	0.03	369
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.30	0.00	0.00	0.40	0.40	0.00	0.10	0.10	—	87.0	87.0	< 0.005	< 0.005	0.10	87.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.05	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	14.4	14.4	< 0.005	< 0.005	0.02	14.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.50. 1-E-1 (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	11.1	11.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	11.1	11.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	2.62	2.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.48	0.48	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.08	1.49	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	392	392	0.01	< 0.005	0.98	394
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.09	1.28	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	364	364	0.01	0.02	0.03	369
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.30	0.00	0.00	0.40	0.40	0.00	0.10	0.10	—	87.0	87.0	< 0.005	< 0.005	0.10	87.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.05	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	14.4	14.4	< 0.005	< 0.005	0.02	14.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.51. 1-E-2 (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.27	1.06	16.6	18.7	0.03	0.13	—	0.13	0.12	—	0.12	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	21.3	21.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.27	1.06	16.6	18.7	0.03	0.13	—	0.13	0.12	—	0.12	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	21.3	21.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.54	0.45	7.07	7.96	0.01	0.05	—	0.05	0.05	—	0.05	—	1,411	1,411	0.06	0.01	—	1,416

Architect Coatings	9.06	9.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	1.29	1.45	< 0.005	0.01	—	0.01	0.01	—	0.01	—	234	234	0.01	< 0.005	—	234
Architectural Coatings	1.65	1.65	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.08	1.49	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	392	392	0.01	< 0.005	0.98	394
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.09	1.28	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	364	364	0.01	0.02	0.03	369
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.54	0.00	0.00	0.71	0.71	0.00	0.17	0.17	—	156	156	< 0.005	< 0.005	0.18	157
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	25.8	25.8	< 0.005	< 0.005	0.03	26.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.52. 1-E-2 (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	9.44	9.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	9.44	9.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	4.01	4.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.73	0.73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.08	1.49	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	392	392	0.01	< 0.005	0.98	394
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.09	1.28	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	364	364	0.01	0.02	0.03	369
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.54	0.00	0.00	0.71	0.71	0.00	0.17	0.17	—	156	156	< 0.005	< 0.005	0.18	157
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	25.8	25.8	< 0.005	< 0.005	0.03	26.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.53. 1-D-1-B (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.00	2.49	20.9	20.1	0.04	0.77	—	0.77	0.70	—	0.70	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	0.44	3.67	3.53	0.01	0.13	—	0.13	0.12	—	0.12	—	608	608	0.02	< 0.005	—	610

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.67	0.64	< 0.005	0.02	—	0.02	0.02	—	0.02	—	101	101	< 0.005	< 0.005	—	101
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.61	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	153	153	< 0.005	0.01	0.01	155
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	27.1	27.1	< 0.005	< 0.005	0.04	27.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.49	4.49	< 0.005	< 0.005	0.01	4.55
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.54. 1-D-1-B (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.41	2.02	17.3	20.5	0.04	0.62	—	0.62	0.57	—	0.57	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.35	3.04	3.59	0.01	0.11	—	0.11	0.10	—	0.10	—	608	608	0.02	< 0.005	—	610
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.55	0.66	< 0.005	0.02	—	0.02	0.02	—	0.02	—	101	101	< 0.005	< 0.005	—	101
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.61	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	153	153	< 0.005	0.01	0.01	155

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	27.1	27.1	< 0.005	< 0.005	0.04	27.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.49	4.49	< 0.005	< 0.005	0.01	4.55
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.55. 1-D-2-B (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.00	2.49	20.9	20.1	0.04	0.77	—	0.77	0.70	—	0.70	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.54	0.45	3.79	3.64	0.01	0.14	—	0.14	0.13	—	0.13	—	627	627	0.03	0.01	—	629
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.69	0.66	< 0.005	0.03	—	0.03	0.02	—	0.02	—	104	104	< 0.005	< 0.005	—	104
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.71	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	165	165	< 0.005	0.01	0.55	168
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	28.0	28.0	< 0.005	< 0.005	0.04	28.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.63	4.63	< 0.005	< 0.005	0.01	4.70
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.56. 1-D-2-B (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.41	2.02	17.3	20.5	0.04	0.62	—	0.62	0.57	—	0.57	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.36	3.13	3.70	0.01	0.11	—	0.11	0.10	—	0.10	—	627	627	0.03	0.01	—	629
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.57	0.68	< 0.005	0.02	—	0.02	0.02	—	0.02	—	104	104	< 0.005	< 0.005	—	104
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.06	0.06	0.04	0.71	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	165	165	< 0.005	0.01	0.55	168
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	28.0	28.0	< 0.005	< 0.005	0.04	28.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.63	4.63	< 0.005	< 0.005	0.01	4.70
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.57. 1-F (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.83	2.38	21.0	27.3	0.04	1.15	—	1.15	1.06	—	1.06	—	4,112	4,112	0.17	0.03	—	4,126
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.83	2.38	21.0	27.3	0.04	1.15	—	1.15	1.06	—	1.06	—	4,112	4,112	0.17	0.03	—	4,126
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.19	1.00	8.81	11.4	0.02	0.48	—	0.48	0.44	—	0.44	—	1,722	1,722	0.07	0.01	—	1,728
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.18	1.61	2.08	< 0.005	0.09	—	0.09	0.08	—	0.08	—	285	285	0.01	< 0.005	—	286
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.06	1.14	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	252	252	< 0.005	0.01	0.92	256
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.08	0.98	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	234	234	0.01	0.01	0.02	237
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.04	0.03	0.03	0.40	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	98.9	98.9	< 0.005	< 0.005	0.17	100
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	16.4	16.4	< 0.005	< 0.005	0.03	16.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.58. 1-F (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,112	4,112	0.17	0.03	—	4,126
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,112	4,112	0.17	0.03	—	4,126
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.17	0.17	1.34	12.0	0.02	0.03	—	0.03	0.03	—	0.03	—	1,722	1,722	0.07	0.01	—	1,728
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	2.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	285	285	0.01	< 0.005	—	286
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.06	1.14	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	252	252	< 0.005	0.01	0.92	256
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.08	0.98	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	234	234	0.01	0.01	0.02	237
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.40	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	98.9	98.9	< 0.005	< 0.005	0.17	100
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	16.4	16.4	< 0.005	< 0.005	0.03	16.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.59. 1-F (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.64	2.22	19.5	27.2	0.04	1.01	—	1.01	0.93	—	0.93	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.64	2.22	19.5	27.2	0.04	1.01	—	1.01	0.93	—	0.93	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41	1.19	10.5	14.6	0.02	0.54	—	0.54	0.50	—	0.50	—	2,206	2,206	0.09	0.02	—	2,213
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.26	0.22	1.91	2.66	< 0.005	0.10	—	0.10	0.09	—	0.09	—	365	365	0.01	< 0.005	—	366
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	1.07	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	248	248	< 0.005	0.01	0.83	251
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	0.91	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	229	229	0.01	0.01	0.02	232
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.48	0.00	0.00	0.54	0.54	0.00	0.13	0.13	—	124	124	< 0.005	0.01	0.19	126
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	20.6	20.6	< 0.005	< 0.005	0.03	20.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.60. 1-F (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	1.72	15.4	0.02	0.04	—	0.04	0.04	—	0.04	—	2,206	2,206	0.09	0.02	—	2,213
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.31	2.81	< 0.005	0.01	—	0.01	0.01	—	0.01	—	365	365	0.01	< 0.005	—	366
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	1.07	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	248	248	< 0.005	0.01	0.83	251
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	0.91	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	229	229	0.01	0.01	0.02	232
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.48	0.00	0.00	0.54	0.54	0.00	0.13	0.13	—	124	124	< 0.005	0.01	0.19	126
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	20.6	20.6	< 0.005	< 0.005	0.03	20.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.61. 1-G (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.64	2.22	19.5	27.2	0.04	1.01	—	1.01	0.93	—	0.93	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47	0.39	3.48	4.84	0.01	0.18	—	0.18	0.17	—	0.17	—	733	733	0.03	0.01	—	735
Dust From Material Movemer	—	—	—	—	—	—	0.57	0.57	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.63	0.88	< 0.005	0.03	—	0.03	0.03	—	0.03	—	121	121	< 0.005	< 0.005	—	122
Dust From Material Movemer	—	—	—	—	—	—	0.10	0.10	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	0.91	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	229	229	0.01	0.01	0.02	232
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	26.0	26.0	< 0.005	< 0.005	< 0.005	27.2
Hauling	0.05	0.01	0.73	0.34	< 0.005	0.01	0.54	0.55	0.01	0.14	0.15	—	587	587	0.05	0.09	0.03	616
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.16	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	41.3	41.3	< 0.005	< 0.005	0.06	41.9
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.63	4.63	< 0.005	< 0.005	< 0.005	4.84
Hauling	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.09	0.10	< 0.005	0.02	0.03	—	105	105	0.01	0.02	0.09	110
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.84	6.84	< 0.005	< 0.005	0.01	6.94
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.77	0.77	< 0.005	< 0.005	< 0.005	0.80
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	17.3	17.3	< 0.005	< 0.005	0.01	18.2

3.62. 1-G (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.57	5.12	0.01	0.01	—	0.01	0.01	—	0.01	—	733	733	0.03	0.01	—	735
Dust From Material Movemer	—	—	—	—	—	—	0.22	0.22	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.93	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	121	121	< 0.005	< 0.005	—	122
Dust From Material Movemer	—	—	—	—	—	—	0.04	0.04	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	0.91	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	229	229	0.01	0.01	0.02	232
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	26.0	26.0	< 0.005	< 0.005	< 0.005	27.2
Hauling	0.05	0.01	0.73	0.34	< 0.005	0.01	0.54	0.55	0.01	0.14	0.15	—	587	587	0.05	0.09	0.03	616
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.16	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	41.3	41.3	< 0.005	< 0.005	0.06	41.9
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.63	4.63	< 0.005	< 0.005	< 0.005	4.84
Hauling	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.09	0.10	< 0.005	0.02	0.03	—	105	105	0.01	0.02	0.09	110
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.84	6.84	< 0.005	< 0.005	0.01	6.94
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.77	0.77	< 0.005	< 0.005	< 0.005	0.80
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	17.3	17.3	< 0.005	< 0.005	0.01	18.2

3.63. 1-H (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.64	2.22	19.5	27.2	0.04	1.01	—	1.01	0.93	—	0.93	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.19	3.19	—	0.34	0.34	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.64	2.22	19.5	27.2	0.04	1.01	—	1.01	0.93	—	0.93	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.19	3.19	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.66	5.78	8.04	0.01	0.30	—	0.30	0.28	—	0.28	—	1,217	1,217	0.05	0.01	—	1,221
Dust From Material Movemer	—	—	—	—	—	—	0.94	0.94	—	0.10	0.10	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.05	1.47	< 0.005	0.05	—	0.05	0.05	—	0.05	—	202	202	0.01	< 0.005	—	202
Dust From Material Movemer	—	—	—	—	—	—	0.17	0.17	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	1.07	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	248	248	< 0.005	0.01	0.83	251
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.19	0.59	0.01	0.01	0.93	0.94	0.01	0.24	0.25	—	1,010	1,010	0.08	0.16	1.99	1,061
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	0.91	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	229	229	0.01	0.01	0.02	232
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.26	0.59	0.01	0.01	0.93	0.94	0.01	0.24	0.25	—	1,010	1,010	0.08	0.16	0.05	1,060
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.27	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	68.6	68.6	< 0.005	< 0.005	0.11	69.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.36	0.17	< 0.005	< 0.005	0.27	0.27	< 0.005	0.07	0.07	—	299	299	0.02	0.05	0.25	314
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	11.4	11.4	< 0.005	< 0.005	0.02	11.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.07	0.03	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	49.5	49.5	< 0.005	0.01	0.04	51.9

3.64. 1-H (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.12	0.95	8.50	0.01	0.02	—	0.02	0.02	—	0.02	—	1,217	1,217	0.05	0.01	—	1,221
Dust From Material Movemer	—	—	—	—	—	—	0.37	0.37	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.17	1.55	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	202	202	0.01	< 0.005	—	202

Dust From Material Movemer	—	—	—	—	—	—	0.07	0.07	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	1.07	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	248	248	< 0.005	0.01	0.83	251
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.19	0.59	0.01	0.01	0.93	0.94	0.01	0.24	0.25	—	1,010	1,010	0.08	0.16	1.99	1,061
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	0.91	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	229	229	0.01	0.01	0.02	232
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.26	0.59	0.01	0.01	0.93	0.94	0.01	0.24	0.25	—	1,010	1,010	0.08	0.16	0.05	1,060
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.27	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	68.6	68.6	< 0.005	< 0.005	0.11	69.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.36	0.17	< 0.005	< 0.005	0.27	0.27	< 0.005	0.07	0.07	—	299	299	0.02	0.05	0.25	314
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	11.4	11.4	< 0.005	< 0.005	0.02	11.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.07	0.03	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	49.5	49.5	< 0.005	0.01	0.04	51.9

3.65. 1-I (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.97	2.49	22.5	31.3	0.04	1.16	—	1.16	1.06	—	1.06	—	4,744	4,744	0.19	0.04	—	4,761
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.97	2.49	22.5	31.3	0.04	1.16	—	1.16	1.06	—	1.06	—	4,744	4,744	0.19	0.04	—	4,761
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.24	1.04	9.41	13.1	0.02	0.48	—	0.48	0.45	—	0.45	—	1,987	1,987	0.08	0.02	—	1,994
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.19	1.72	2.39	< 0.005	0.09	—	0.09	0.08	—	0.08	—	329	329	0.01	< 0.005	—	330
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.07	1.25	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	289	289	< 0.005	0.01	0.97	293
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.09	1.06	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	268	268	0.01	0.01	0.03	271
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.44	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	113	113	< 0.005	< 0.005	0.18	115
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	18.8	18.8	< 0.005	< 0.005	0.03	19.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.66. 1-I (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.46	0.46	3.52	33.2	0.04	0.09	—	0.09	0.09	—	0.09	—	4,744	4,744	0.19	0.04	—	4,761
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.46	3.52	33.2	0.04	0.09	—	0.09	0.09	—	0.09	—	4,744	4,744	0.19	0.04	—	4,761
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.19	1.47	13.9	0.02	0.04	—	0.04	0.04	—	0.04	—	1,987	1,987	0.08	0.02	—	1,994
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.27	2.54	< 0.005	0.01	—	0.01	0.01	—	0.01	—	329	329	0.01	< 0.005	—	330
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.07	1.25	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	289	289	< 0.005	0.01	0.97	293
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.09	1.06	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	268	268	0.01	0.01	0.03	271
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.44	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	113	113	< 0.005	< 0.005	0.18	115
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	18.8	18.8	< 0.005	< 0.005	0.03	19.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.67. 1-I (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.78	2.34	21.1	31.3	0.04	1.02	—	1.02	0.94	—	0.94	—	4,743	4,743	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.29	0.43	< 0.005	0.01	—	0.01	0.01	—	0.01	—	65.0	65.0	< 0.005	< 0.005	—	65.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.8	10.8	< 0.005	< 0.005	—	10.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.09	1.00	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	263	263	0.01	0.01	0.02	267
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.64	3.64	< 0.005	< 0.005	0.01	3.70
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.60	0.60	< 0.005	< 0.005	< 0.005	0.61
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.68. 1-I (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.46	3.52	33.2	0.04	0.09	—	0.09	0.09	—	0.09	—	4,743	4,743	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.45	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	65.0	65.0	< 0.005	< 0.005	—	65.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.8	10.8	< 0.005	< 0.005	—	10.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.09	1.00	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	263	263	0.01	0.01	0.02	267
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.64	3.64	< 0.005	< 0.005	0.01	3.70
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.60	0.60	< 0.005	< 0.005	< 0.005	0.61
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
1-C	Demolition	6/1/2026	1/1/2027	5.00	155	—
1-A	Site Preparation	6/1/2026	1/1/2027	5.00	155	—
1-K	Site Preparation	5/15/2028	7/1/2028	5.00	35.0	—
1-B	Grading	9/1/2026	6/1/2027	5.00	196	—
1-J	Grading	5/1/2028	6/1/2028	5.00	24.0	—
1-D-1-A	Building Construction	1/1/2027	3/31/2027	5.00	64.0	—
1-D-1-C	Building Construction	4/1/2027	10/30/2029	5.00	674	—
1-D-2-A	Building Construction	6/1/2027	8/31/2027	5.00	66.0	—
1-D-2-C	Building Construction	9/1/2027	4/1/2030	5.00	674	—

1-M	Building Construction	6/1/2026	12/1/2030	5.00	1,175	—
1-L	Paving	6/15/2028	8/1/2028	5.00	34.0	—
1-E-1	Architectural Coating	10/30/2029	5/1/2030	5.00	132	—
1-E-2	Architectural Coating	4/1/2030	11/1/2030	5.00	155	—
1-D-1-B	Trenching	1/1/2027	3/31/2027	5.00	64.0	—
1-D-2-B	Trenching	6/1/2027	8/31/2027	5.00	66.0	—
1-F	Linear, Grubbing & Land Clearing	6/1/2026	10/1/2027	5.00	350	—
1-G	Linear, Grading & Excavation	10/1/2027	12/30/2027	5.00	65.0	—
1-H	Linear, Drainage, Utilities, & Sub-Grade	1/1/2027	6/1/2027	5.00	108	—
1-I	Linear, Paving	6/1/2027	1/7/2028	5.00	159	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
1-C	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
1-C	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
1-C	Concrete/Industrial Saws	Diesel	Average	4.00	4.00	33.0	0.73
1-C	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
1-A	Excavators	Diesel	Average	8.00	8.00	36.0	0.38
1-A	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
1-K	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
1-K	Graders	Diesel	Average	2.00	8.00	148	0.41
1-K	Rollers	Diesel	Average	2.00	8.00	36.0	0.38

1-K	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
1-K	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
1-B	Excavators	Diesel	Average	8.00	8.00	36.0	0.38
1-B	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
1-J	Graders	Diesel	Average	2.00	8.00	148	0.41
1-J	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
1-J	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
1-J	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
1-J	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
1-D-1-C	Cranes	Diesel	Average	7.00	8.00	367	0.29
1-D-1-C	Welders	Diesel	Average	12.0	8.00	46.0	0.45
1-D-1-C	Aerial Lifts	Diesel	Average	18.0	6.00	46.0	0.31
1-D-1-C	Air Compressors	Diesel	Average	6.00	2.00	37.0	0.48
1-D-1-C	Rough Terrain Forklifts	Diesel	Average	10.0	4.00	96.0	0.40
1-D-2-C	Cranes	Diesel	Average	7.00	8.00	367	0.29
1-D-2-C	Welders	Diesel	Average	12.0	8.00	46.0	0.45
1-D-2-C	Aerial Lifts	Diesel	Average	18.0	6.00	46.0	0.31
1-D-2-C	Air Compressors	Diesel	Average	6.00	2.00	37.0	0.48
1-D-2-C	Rough Terrain Forklifts	Diesel	Average	10.0	4.00	96.0	0.40
1-L	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
1-L	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
1-L	Graders	Diesel	Average	2.00	8.00	148	0.41
1-L	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
1-L	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
1-L	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
1-E-1	Air Compressors	Diesel	Average	5.00	4.00	37.0	0.48
1-E-1	Aerial Lifts	Diesel	Average	13.0	12.0	46.0	0.31

1-E-2	Air Compressors	Diesel	Average	5.00	4.00	37.0	0.48
1-E-2	Aerial Lifts	Diesel	Average	13.0	12.0	46.0	0.31
1-D-1-B	Tractors/Loaders/Back hoes	Diesel	Average	6.00	5.00	84.0	0.37
1-D-1-B	Excavators	Diesel	Average	6.00	4.00	36.0	0.38
1-D-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
1-D-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
1-D-2-B	Tractors/Loaders/Back hoes	Diesel	Average	6.00	5.00	84.0	0.37
1-D-2-B	Excavators	Diesel	Average	6.00	4.00	36.0	0.38
1-D-2-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
1-D-2-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
1-F	Graders	Diesel	Average	2.00	8.00	148	0.41
1-F	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
1-F	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
1-F	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
1-F	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
1-G	Graders	Diesel	Average	2.00	8.00	148	0.41
1-G	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
1-G	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
1-G	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
1-G	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
1-H	Graders	Diesel	Average	2.00	8.00	148	0.41
1-H	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
1-H	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
1-H	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
1-H	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40

1-I	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
1-I	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
1-I	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
1-I	Graders	Diesel	Average	2.00	8.00	148	0.41
1-I	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
1-I	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
1-C	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
1-C	Excavators	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
1-C	Concrete/Industrial Saws	Diesel	Tier 4 Final	4.00	4.00	33.0	0.73
1-C	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
1-A	Excavators	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
1-A	Excavators	Electric	Average	4.00	8.00	36.0	0.38
1-A	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
1-K	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
1-K	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
1-K	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
1-K	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
1-K	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
1-B	Excavators	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
1-B	Excavators	Electric	Average	4.00	8.00	36.0	0.38
1-B	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
1-J	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41

1-J	Tractors/Loaders/Back	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
1-J	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
1-J	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
1-J	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
1-D-1-C	Cranes	Diesel	Tier 4 Final	7.00	8.00	367	0.29
1-D-1-C	Welders	Electric	Average	12.0	8.00	46.0	0.45
1-D-1-C	Aerial Lifts	Electric	Average	18.0	6.00	46.0	0.31
1-D-1-C	Air Compressors	Electric	Average	6.00	2.00	37.0	0.48
1-D-1-C	Rough Terrain Forklifts	Diesel	Tier 4 Final	10.0	4.00	96.0	0.40
1-D-2-C	Cranes	Diesel	Tier 4 Final	7.00	8.00	367	0.29
1-D-2-C	Welders	Electric	Average	12.0	8.00	46.0	0.45
1-D-2-C	Aerial Lifts	Electric	Average	18.0	6.00	46.0	0.31
1-D-2-C	Air Compressors	Electric	Average	6.00	2.00	37.0	0.48
1-D-2-C	Rough Terrain Forklifts	Diesel	Tier 4 Final	10.0	4.00	96.0	0.40
1-L	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
1-L	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
1-L	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
1-L	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
1-L	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
1-L	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
1-E-1	Air Compressors	Electric	Average	5.00	4.00	37.0	0.48
1-E-1	Aerial Lifts	Electric	Average	13.0	12.0	46.0	0.31
1-E-2	Air Compressors	Electric	Average	5.00	4.00	37.0	0.48
1-E-2	Aerial Lifts	Electric	Average	13.0	12.0	46.0	0.31
1-D-1-B	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	6.00	5.00	84.0	0.37
1-D-1-B	Excavators	Diesel	Tier 4 Final	6.00	4.00	36.0	0.38
1-D-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74

1-D-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
1-D-2-B	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	6.00	5.00	84.0	0.37
1-D-2-B	Excavators	Diesel	Tier 4 Final	6.00	4.00	36.0	0.38
1-D-2-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
1-D-2-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
1-F	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
1-F	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
1-F	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
1-F	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
1-F	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
1-G	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
1-G	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
1-G	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
1-G	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
1-G	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
1-H	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
1-H	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
1-H	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
1-H	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
1-H	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
1-I	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
1-I	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
1-I	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
1-I	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
1-I	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43

1-I	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
1-C	—	—	—	—
1-C	Worker	20.0	11.7	LDA,LDT1,LDT2
1-C	Vendor	0.00	8.40	HHDT,MHDT
1-C	Hauling	50.0	25.0	HHDT
1-C	Onsite truck	0.00	0.00	HHDT
1-A	—	—	—	—
1-A	Worker	30.0	11.7	LDA,LDT1,LDT2
1-A	Vendor	0.00	8.40	HHDT,MHDT
1-A	Hauling	26.0	25.0	HHDT
1-A	Onsite truck	0.00	0.00	HHDT
1-B	—	—	—	—
1-B	Worker	30.0	11.7	LDA,LDT1,LDT2
1-B	Vendor	0.00	8.40	HHDT,MHDT
1-B	Hauling	26.0	25.0	HHDT
1-B	Onsite truck	0.00	0.00	HHDT
1-D-1-A	—	—	—	—
1-D-1-A	Worker	50.0	11.7	LDA,LDT1,LDT2
1-D-1-A	Vendor	25.0	8.40	HHDT,MHDT
1-D-1-A	Hauling	0.00	20.0	HHDT
1-D-1-A	Onsite truck	0.00	0.00	HHDT
1-E-1	—	—	—	—
1-E-1	Worker	50.0	11.7	LDA,LDT1,LDT2

1-E-1	Vendor	0.00	8.40	HHDT,MHDT
1-E-1	Hauling	0.00	20.0	HHDT
1-E-1	Onsite truck	0.00	0.00	HHDT
1-F	—	—	—	—
1-F	Worker	30.0	11.7	LDA,LDT1,LDT2
1-F	Vendor	0.00	8.40	HHDT,MHDT
1-F	Hauling	0.00	20.0	HHDT
1-F	Onsite truck	0.00	0.00	HHDT
1-G	—	—	—	—
1-G	Worker	30.0	11.7	LDA,LDT1,LDT2
1-G	Vendor	1.00	8.40	HHDT,MHDT
1-G	Hauling	6.88	25.0	HHDT
1-G	Onsite truck	0.00	0.00	HHDT
1-H	—	—	—	—
1-H	Worker	30.0	11.7	LDA,LDT1,LDT2
1-H	Vendor	0.00	8.40	HHDT,MHDT
1-H	Hauling	11.8	25.0	HHDT
1-H	Onsite truck	0.00	0.00	HHDT
1-I	—	—	—	—
1-I	Worker	35.0	11.7	LDA,LDT1,LDT2
1-I	Vendor	0.00	8.40	HHDT,MHDT
1-I	Hauling	0.00	20.0	HHDT
1-I	Onsite truck	0.00	0.00	HHDT
1-K	—	—	—	—
1-K	Worker	30.0	11.7	LDA,LDT1,LDT2
1-K	Vendor	0.00	8.40	HHDT,MHDT
1-K	Hauling	0.00	20.0	HHDT
1-K	Onsite truck	0.00	0.00	HHDT

1-J	—	—	—	—
1-J	Worker	30.0	11.7	LDA,LDT1,LDT2
1-J	Vendor	0.00	8.40	HHDT,MHDT
1-J	Hauling	0.00	20.0	HHDT
1-J	Onsite truck	0.00	0.00	HHDT
1-D-1-C	—	—	—	—
1-D-1-C	Worker	80.0	11.7	LDA,LDT1,LDT2
1-D-1-C	Vendor	25.0	20.0	HHDT,MHDT
1-D-1-C	Hauling	0.00	20.0	HHDT
1-D-1-C	Onsite truck	0.00	0.00	HHDT
1-D-2-A	—	—	—	—
1-D-2-A	Worker	50.0	11.7	LDA,LDT1,LDT2
1-D-2-A	Vendor	25.0	8.40	HHDT,MHDT
1-D-2-A	Hauling	0.00	20.0	HHDT
1-D-2-A	Onsite truck	0.00	0.00	HHDT
1-D-2-C	—	—	—	—
1-D-2-C	Worker	80.0	11.7	LDA,LDT1,LDT2
1-D-2-C	Vendor	25.0	20.0	HHDT,MHDT
1-D-2-C	Hauling	0.00	20.0	HHDT
1-D-2-C	Onsite truck	0.00	0.00	HHDT
1-M	—	—	—	—
1-M	Worker	0.00	11.7	LDA,LDT1,LDT2
1-M	Vendor	0.00	8.40	HHDT,MHDT
1-M	Hauling	22.0	25.0	HHDT
1-M	Onsite truck	0.00	0.00	HHDT
1-L	—	—	—	—
1-L	Worker	35.0	11.7	LDA,LDT1,LDT2
1-L	Vendor	0.00	8.40	HHDT,MHDT

1-L	Hauling	0.00	20.0	HHDT
1-L	Onsite truck	0.00	0.00	HHDT
1-E-2	—	—	—	—
1-E-2	Worker	50.0	11.7	LDA,LDT1,LDT2
1-E-2	Vendor	0.00	8.40	HHDT,MHDT
1-E-2	Hauling	0.00	20.0	HHDT
1-E-2	Onsite truck	0.00	0.00	HHDT
1-D-1-B	—	—	—	—
1-D-1-B	Worker	20.0	11.7	LDA,LDT1,LDT2
1-D-1-B	Vendor	0.00	8.40	HHDT,MHDT
1-D-1-B	Hauling	0.00	20.0	HHDT
1-D-1-B	Onsite truck	0.00	0.00	HHDT
1-D-2-B	—	—	—	—
1-D-2-B	Worker	20.0	11.7	LDA,LDT1,LDT2
1-D-2-B	Vendor	0.00	8.40	HHDT,MHDT
1-D-2-B	Hauling	0.00	20.0	HHDT
1-D-2-B	Onsite truck	0.00	0.00	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
1-C	—	—	—	—
1-C	Worker	20.0	11.7	LDA,LDT1,LDT2
1-C	Vendor	0.00	8.40	HHDT,MHDT
1-C	Hauling	50.0	25.0	HHDT
1-C	Onsite truck	0.00	0.00	HHDT
1-A	—	—	—	—
1-A	Worker	30.0	11.7	LDA,LDT1,LDT2
1-A	Vendor	0.00	8.40	HHDT,MHDT

1-A	Hauling	26.0	25.0	HHDT
1-A	Onsite truck	0.00	0.00	HHDT
1-B	—	—	—	—
1-B	Worker	30.0	11.7	LDA,LDT1,LDT2
1-B	Vendor	0.00	8.40	HHDT,MHDT
1-B	Hauling	26.0	25.0	HHDT
1-B	Onsite truck	0.00	0.00	HHDT
1-D-1-A	—	—	—	—
1-D-1-A	Worker	50.0	11.7	LDA,LDT1,LDT2
1-D-1-A	Vendor	25.0	8.40	HHDT,MHDT
1-D-1-A	Hauling	0.00	20.0	HHDT
1-D-1-A	Onsite truck	0.00	0.00	HHDT
1-E-1	—	—	—	—
1-E-1	Worker	50.0	11.7	LDA,LDT1,LDT2
1-E-1	Vendor	0.00	8.40	HHDT,MHDT
1-E-1	Hauling	0.00	20.0	HHDT
1-E-1	Onsite truck	0.00	0.00	HHDT
1-F	—	—	—	—
1-F	Worker	30.0	11.7	LDA,LDT1,LDT2
1-F	Vendor	0.00	8.40	HHDT,MHDT
1-F	Hauling	0.00	20.0	HHDT
1-F	Onsite truck	0.00	0.00	HHDT
1-G	—	—	—	—
1-G	Worker	30.0	11.7	LDA,LDT1,LDT2
1-G	Vendor	1.00	8.40	HHDT,MHDT
1-G	Hauling	6.88	25.0	HHDT
1-G	Onsite truck	0.00	0.00	HHDT
1-H	—	—	—	—

1-H	Worker	30.0	11.7	LDA,LDT1,LDT2
1-H	Vendor	0.00	8.40	HHDT,MHDT
1-H	Hauling	11.8	25.0	HHDT
1-H	Onsite truck	0.00	0.00	HHDT
1-I	—	—	—	—
1-I	Worker	35.0	11.7	LDA,LDT1,LDT2
1-I	Vendor	0.00	8.40	HHDT,MHDT
1-I	Hauling	0.00	20.0	HHDT
1-I	Onsite truck	0.00	0.00	HHDT
1-K	—	—	—	—
1-K	Worker	30.0	11.7	LDA,LDT1,LDT2
1-K	Vendor	0.00	8.40	HHDT,MHDT
1-K	Hauling	0.00	20.0	HHDT
1-K	Onsite truck	0.00	0.00	HHDT
1-J	—	—	—	—
1-J	Worker	30.0	11.7	LDA,LDT1,LDT2
1-J	Vendor	0.00	8.40	HHDT,MHDT
1-J	Hauling	0.00	20.0	HHDT
1-J	Onsite truck	0.00	0.00	HHDT
1-D-1-C	—	—	—	—
1-D-1-C	Worker	80.0	11.7	LDA,LDT1,LDT2
1-D-1-C	Vendor	25.0	20.0	HHDT,MHDT
1-D-1-C	Hauling	0.00	20.0	HHDT
1-D-1-C	Onsite truck	0.00	0.00	HHDT
1-D-2-A	—	—	—	—
1-D-2-A	Worker	50.0	11.7	LDA,LDT1,LDT2
1-D-2-A	Vendor	25.0	8.40	HHDT,MHDT
1-D-2-A	Hauling	0.00	20.0	HHDT

1-D-2-A	Onsite truck	0.00	0.00	HHDT
1-D-2-C	—	—	—	—
1-D-2-C	Worker	80.0	11.7	LDA,LDT1,LDT2
1-D-2-C	Vendor	25.0	20.0	HHDT,MHDT
1-D-2-C	Hauling	0.00	20.0	HHDT
1-D-2-C	Onsite truck	0.00	0.00	HHDT
1-M	—	—	—	—
1-M	Worker	0.00	11.7	LDA,LDT1,LDT2
1-M	Vendor	0.00	8.40	HHDT,MHDT
1-M	Hauling	22.0	25.0	HHDT
1-M	Onsite truck	0.00	0.00	HHDT
1-L	—	—	—	—
1-L	Worker	35.0	11.7	LDA,LDT1,LDT2
1-L	Vendor	0.00	8.40	HHDT,MHDT
1-L	Hauling	0.00	20.0	HHDT
1-L	Onsite truck	0.00	0.00	HHDT
1-E-2	—	—	—	—
1-E-2	Worker	50.0	11.7	LDA,LDT1,LDT2
1-E-2	Vendor	0.00	8.40	HHDT,MHDT
1-E-2	Hauling	0.00	20.0	HHDT
1-E-2	Onsite truck	0.00	0.00	HHDT
1-D-1-B	—	—	—	—
1-D-1-B	Worker	20.0	11.7	LDA,LDT1,LDT2
1-D-1-B	Vendor	0.00	8.40	HHDT,MHDT
1-D-1-B	Hauling	0.00	20.0	HHDT
1-D-1-B	Onsite truck	0.00	0.00	HHDT
1-D-2-B	—	—	—	—
1-D-2-B	Worker	20.0	11.7	LDA,LDT1,LDT2

1-D-2-B	Vendor	0.00	8.40	HHDT,MHDT
1-D-2-B	Hauling	0.00	20.0	HHDT
1-D-2-B	Onsite truck	0.00	0.00	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
1-E-1	0.00	0.00	467,250	163,750	0.00
1-E-2	0.00	0.00	467,250	163,750	0.00
1-L	0.00	0.00	0.00	0.00	26,136

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
1-C	0.00	0.00	0.00	175,163	—
1-A	0.00	0.00	4.28	0.00	—
1-K	0.00	0.00	0.74	0.00	—
1-B	34,505	0.00	0.00	0.00	—
1-J	8,108	0.00	0.00	0.00	—
1-L	0.00	0.00	0.00	0.00	2.41
1-G	3,576	0.00	0.00	0.00	—
1-H	10,219	0.00	0.00	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Office Park	0.00	0%
Research & Development	0.00	0%
University/College (4yr)	0.00	0%
General Office Building	0.00	0%
Regional Shopping Center	0.00	0%
Hotel	0.00	0%
Apartments Mid Rise	—	0%
Enclosed Parking with Elevator	0.00	100%
Parking Lot	0.19	100%
Road Construction	2.22	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	200,000	9.46	0.00	0.00
2027	500,000	9.07	0.00	0.00
2028	500,000	8.57	0.00	0.00
2029	500,000	8.11	0.00	0.00
2030	250,000	7.64	0.00	0.00

8. User Changes to Default Data

Screen	Justification

Characteristics: Project Details	Project in urban environment
Land Use	Office acres include acres for office, R&D, and academic. Active use acres partially shared with R&D acres. Linear acres includes Cody, Wescoast, and utility improvements. No conference, hotel, housing, or garage during Phase 1
Construction: Construction Phases	Data provided by SKS
Construction: Off-Road Equipment	Data provided by SKS.
Construction: Dust From Material Movement	Data provided by SKS.
Construction: Trips and VMT	Data provided by SKS. Defaults used where project-specific inputs not available.
Construction: Paving	Data provided by SKS
Construction: On-Road Fugitive Dust	Silt loading modified per BAAQMD CEQA Guidelines.
Construction: Architectural Coatings	Distributed coating square footages to phases based on buildings constructed in each phase. Exterior coating equal to Alt 1. Interior coating accounts for reduced floor/ceiling slab.
Construction: Demolition	Demolition of buildings outside the premises (i.e., on MVHV property) will be demolished to existing slab at-grade, with no below-grade excavation
Construction: Electricity	Per PG&E's 2023 PCL adjusted to account for RPS. CO2 is CO2e.

E1.1.2 Phase 2 Construction CalEEMod Output

The CalEEMod output presents model inputs and outputs for construction of the CEQA Reduced Density Alternative, Phase 2. These emissions would also occur under the CEQA Reduced Density Alternative with the Variant.

Neither total construction nor mobile-source emissions results in the CalEEMod output are adjusted to reflect the June 12, 2025, congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has developed off-model adjustment factors for NO_X, ROG, PM_{10}, and $PM_{2.5}$ that remove the estimated emissions benefits attributed to regulations. Emissions of these pollutants were separately quantified using the CalEEMod trip and milage inventory and emission factors from EMFAC2021 with the off-model adjustments per CARB's guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for mobile sources and the total phase emissions recalculated. Refer to Section E1.1.5 for the off-model calculations.

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3.53. 2-H-2-A (2031) - Unmitigated

3.54. 2-H-2-A (2031) - Mitigated

3.55. 2-H-2-C (2031) - Unmitigated

3.56. 2-H-2-C (2031) - Mitigated

3.57. 2-H-2-C (2032) - Unmitigated

3.58. 2-H-2-C (2032) - Mitigated

3.59. 2-H-2-C (2033) - Unmitigated

3.60. 2-H-2-C (2033) - Mitigated

3.61. 2-P (2032) - Unmitigated

3.62. 2-P (2032) - Mitigated

3.63. 2-E-1 (2032) - Unmitigated

3.64. 2-E-1 (2032) - Mitigated

3.65. 2-E-1 (2033) - Unmitigated

3.66. 2-E-1 (2033) - Mitigated

3.67. 2-E-2 (2033) - Unmitigated

3.68. 2-E-2 (2033) - Mitigated

3.69. 2-G (2033) - Unmitigated

3.70. 2-G (2033) - Mitigated

3.71. 2-I (2033) - Unmitigated

3.72. 2-I (2033) - Mitigated

3.73. 2-D-1-B (2030) - Unmitigated

3.74. 2-D-1-B (2030) - Mitigated

3.75. 2-D-2-B (2031) - Unmitigated

3.76. 2-D-2-B (2031) - Mitigated

3.77. 2-F-1-B (2031) - Unmitigated

3.78. 2-F-1-B (2031) - Mitigated

3.79. 2-H-1-B (2031) - Unmitigated

3.80. 2-H-1-B (2031) - Mitigated

3.81. 2-H-2-B (2031) - Unmitigated

3.82. 2-H-2-B (2031) - Mitigated

3.83. 2-J (2030) - Unmitigated

3.84. 2-J (2030) - Mitigated

3.85. 2-K (2030) - Unmitigated

3.86. 2-K (2030) - Mitigated

3.87. 2-K (2031) - Unmitigated

3.88. 2-K (2031) - Mitigated

3.89. 2-L (2031) - Unmitigated

3.90. 2-L (2031) - Mitigated

3.91. 2-M (2031) - Unmitigated

3.92. 2-M (2031) - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Moffett Alt 2 Construction Phase 2
Construction Start Date	6/1/2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	28.2
Location	37.40646021370499, -122.05214834788202
County	Santa Clara
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1702
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	57.0	1000sqft	3.50	57,000	0.00	0.00	—	—
Research & Development	225	1000sqft	0.00	225,000	0.00	0.00	—	—

University/College (4yr)	29.0	Student	0.00	42,000	0.00	0.00	—	—
General Office Building	25.0	1000sqft	1.10	25,000	0.00	0.00	—	—
Regional Shopping Center	35.0	1000sqft	0.60	35,000	0.00	0.00	—	—
Hotel	100	Room	0.00	75,000	0.00	0.00	—	—
Apartments Mid Rise	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	—
Enclosed Parking with Elevator	0.00	1000sqft	0.00	0.00	0.00	0.00	—	—
Parking Lot	530	1000sqft	12.0	0.00	0.00	0.00	—	—
Road Construction	2.00	Mile	2.40	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-1-A	Use Electric or Hybrid Powered Equipment
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-4*	Use Local and Sustainable Building Materials
Construction	C-5	Use Advanced Engine Tiers
Construction	C-10-A	Water Exposed Surfaces
Construction	C-10-B	Water Active Demolition Sites
Construction	C-10-C	Water Unpaved Construction Roads
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-13	Use Low-VOC Paints for Construction

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	80.3	75.7	274	386	0.80	6.50	26.0	32.0	5.99	5.76	11.3	—	84,728	84,728	3.39	1.63	17.9	85,274
Mit.	27.7	27.5	62.3	308	0.53	1.92	22.8	24.7	1.83	5.41	7.21	—	60,980	60,980	2.43	1.55	17.9	61,445
% Reduced	66%	64%	77%	20%	34%	70%	12%	23%	69%	6%	36%	—	28%	28%	28%	5%	—	28%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	52.0	46.8	283	387	0.80	7.14	25.3	29.8	6.57	5.11	11.7	—	84,764	84,764	3.46	1.51	0.40	85,302
Mit.	15.5	15.2	55.6	307	0.53	1.61	20.3	21.7	1.52	4.89	6.08	—	61,017	61,017	2.49	1.32	0.40	61,473
% Reduced	70%	67%	80%	21%	34%	77%	20%	27%	77%	4%	48%	—	28%	28%	28%	13%	—	28%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	28.3	26.9	180	246	0.53	3.95	13.8	17.4	3.64	3.16	6.73	—	55,736	55,736	2.24	1.03	4.34	56,102
Mit.	10.2	10.1	29.4	188	0.34	0.89	12.5	13.4	0.85	3.07	3.87	—	38,804	38,804	1.56	0.89	4.34	39,112
% Reduced	64%	62%	84%	23%	36%	78%	10%	23%	77%	3%	42%	—	30%	30%	31%	13%	—	30%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.16	4.91	32.8	44.9	0.10	0.72	2.53	3.18	0.66	0.58	1.23	—	9,228	9,228	0.37	0.17	0.72	9,288
Mit.	1.87	1.85	5.37	34.4	0.06	0.16	2.29	2.45	0.16	0.56	0.71	—	6,424	6,424	0.26	0.15	0.72	6,475
% Reduced	64%	62%	84%	23%	36%	78%	10%	23%	77%	3%	42%	—	30%	30%	31%	13%	—	30%

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	10.8	8.57	84.3	114	0.21	3.13	22.7	25.8	2.89	4.51	7.40	—	25,983	25,983	1.30	1.56	17.2	26,497
2031	33.0	27.5	267	361	0.76	6.41	26.0	32.0	5.90	5.76	11.3	—	80,624	80,624	3.27	1.63	17.9	81,161
2032	36.0	30.2	274	386	0.80	6.50	19.0	25.5	5.99	4.75	10.7	—	84,728	84,728	3.39	1.50	13.3	85,274
2033	80.3	75.7	248	333	0.69	4.00	19.4	23.4	3.69	4.82	8.51	—	73,453	73,453	2.92	1.20	10.7	73,893
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	7.48	6.12	55.2	70.1	0.13	2.04	13.0	15.0	1.88	2.51	4.38	—	14,300	14,300	0.65	0.63	0.20	14,504
2031	35.3	29.4	283	387	0.80	7.14	25.3	29.8	6.57	5.11	11.7	—	84,764	84,764	3.46	1.51	0.40	85,302
2032	52.0	46.8	272	380	0.80	6.41	22.0	28.4	5.90	5.06	11.0	—	83,860	83,860	3.37	1.50	0.34	84,391
2033	50.6	46.4	215	292	0.63	3.79	16.0	19.7	3.49	3.98	7.48	—	65,878	65,878	2.66	1.14	0.24	66,283
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	2.91	2.33	22.3	29.0	0.06	0.82	5.62	6.44	0.75	1.13	1.88	—	6,540	6,540	0.32	0.37	1.84	6,660
2031	17.6	14.6	139	183	0.39	3.60	13.8	17.4	3.31	3.16	6.47	—	41,028	41,028	1.69	0.93	4.34	41,351
2032	23.9	20.1	180	246	0.53	3.95	12.4	16.4	3.64	3.09	6.73	—	55,736	55,736	2.24	1.03	3.85	56,102
2033	28.3	26.9	74.2	97.4	0.20	1.12	6.10	7.22	1.04	1.52	2.56	—	21,567	21,567	0.87	0.40	1.55	21,708
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.53	0.42	4.07	5.29	0.01	0.15	1.03	1.17	0.14	0.21	0.34	—	1,083	1,083	0.05	0.06	0.30	1,103
2031	3.21	2.66	25.4	33.5	0.07	0.66	2.53	3.18	0.60	0.58	1.18	—	6,793	6,793	0.28	0.15	0.72	6,846
2032	4.35	3.67	32.8	44.9	0.10	0.72	2.27	2.99	0.66	0.56	1.23	—	9,228	9,228	0.37	0.17	0.64	9,288
2033	5.16	4.91	13.5	17.8	0.04	0.21	1.11	1.32	0.19	0.28	0.47	—	3,571	3,571	0.14	0.07	0.26	3,594

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	2.67	2.01	27.6	110	0.20	0.40	17.6	18.0	0.40	3.94	4.34	—	24,847	24,847	1.25	1.55	17.2	25,358
2031	9.48	8.32	62.3	279	0.49	1.92	22.8	24.7	1.83	5.41	7.21	—	56,877	56,877	2.31	1.51	17.9	57,332
2032	7.96	7.63	34.3	308	0.53	1.05	19.0	20.1	1.05	4.75	5.80	—	60,980	60,980	2.43	1.31	13.3	61,445
2033	27.7	27.5	22.0	200	0.36	0.71	19.4	20.1	0.71	4.82	5.53	—	42,342	42,342	1.66	0.95	10.7	42,676
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	3.61	2.99	27.9	68.1	0.12	0.75	9.77	10.5	0.71	2.16	2.86	—	13,733	13,733	0.63	0.62	0.20	13,934
2031	7.82	6.66	55.6	307	0.53	1.61	20.3	21.7	1.52	4.89	6.08	—	61,017	61,017	2.49	1.32	0.40	61,473
2032	14.7	14.3	34.4	302	0.53	1.04	20.1	21.1	1.04	4.84	5.88	—	60,112	60,112	2.41	1.31	0.34	60,562
2033	15.5	15.2	22.2	196	0.36	0.71	16.0	16.7	0.71	3.98	4.69	—	41,414	41,414	1.66	0.94	0.24	41,735
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	1.05	0.83	9.33	28.2	0.05	0.20	4.41	4.60	0.19	0.99	1.18	—	6,303	6,303	0.31	0.37	1.84	6,422
2031	4.63	4.10	29.4	148	0.27	0.89	12.5	13.4	0.85	3.02	3.87	—	30,644	30,644	1.27	0.85	4.34	30,932
2032	4.93	4.70	21.4	188	0.34	0.67	12.3	13.0	0.67	3.07	3.74	—	38,804	38,804	1.56	0.89	3.85	39,112
2033	10.2	10.1	6.46	53.6	0.10	0.20	6.10	6.30	0.20	1.52	1.72	—	11,802	11,802	0.47	0.32	1.55	11,910
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.19	0.15	1.70	5.14	0.01	0.04	0.80	0.84	0.03	0.18	0.22	—	1,044	1,044	0.05	0.06	0.30	1,063
2031	0.84	0.75	5.37	27.0	0.05	0.16	2.29	2.45	0.16	0.55	0.71	—	5,074	5,074	0.21	0.14	0.72	5,121
2032	0.90	0.86	3.91	34.4	0.06	0.12	2.25	2.37	0.12	0.56	0.68	—	6,424	6,424	0.26	0.15	0.64	6,475
2033	1.87	1.85	1.18	9.78	0.02	0.04	1.11	1.15	0.04	0.28	0.31	—	1,954	1,954	0.08	0.05	0.26	1,972

3. Construction Emissions Details

3.1. 2-C (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.68	1.40	12.6	15.4	0.03	0.42	—	0.42	0.39	—	0.39	—	2,588	2,588	0.10	0.02	—	2,597
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	0.25	2.24	2.74	< 0.005	0.08	—	0.08	0.07	—	0.07	—	461	461	0.02	< 0.005	—	463
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.41	0.50	< 0.005	0.01	—	0.01	0.01	—	0.01	—	76.3	76.3	< 0.005	< 0.005	—	76.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.60	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	157	157	< 0.005	< 0.005	0.39	158
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.34	0.06	4.49	2.26	0.03	0.06	3.91	3.97	0.06	1.01	1.06	—	3,924	3,924	0.28	0.62	6.31	4,122
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	26.2	26.2	< 0.005	< 0.005	0.03	26.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	0.01	0.83	0.40	0.01	0.01	0.68	0.69	0.01	0.18	0.19	—	699	699	0.05	0.11	0.49	734
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.34	4.34	< 0.005	< 0.005	0.01	4.35
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.12	0.13	< 0.005	0.03	0.03	—	116	116	0.01	0.02	0.08	121

3.2. 2-C (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.28	3.96	15.3	0.03	0.05	—	0.05	0.05	—	0.05	—	2,588	2,588	0.10	0.02	—	2,597
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.05	0.05	0.70	2.72	< 0.005	0.01	—	0.01	0.01	—	0.01	—	461	461	0.02	< 0.005	—	463
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.13	0.50	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	76.3	76.3	< 0.005	< 0.005	—	76.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.60	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	157	157	< 0.005	< 0.005	0.39	158
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.34	0.06	4.49	2.26	0.03	0.06	3.91	3.97	0.06	1.01	1.06	—	3,924	3,924	0.28	0.62	6.31	4,122
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	26.2	26.2	< 0.005	< 0.005	0.03	26.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	0.01	0.83	0.40	0.01	0.01	0.68	0.69	0.01	0.18	0.19	—	699	699	0.05	0.11	0.49	734
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.34	4.34	< 0.005	< 0.005	0.01	4.35
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.12	0.13	< 0.005	0.03	0.03	—	116	116	0.01	0.02	0.08	121

3.3. 2-A (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.72	1.44	13.8	17.7	0.02	0.54	—	0.54	0.49	—	0.49	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.12	2.12	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	0.26	2.45	3.16	< 0.005	0.10	—	0.10	0.09	—	0.09	—	451	451	0.02	< 0.005	—	452
Dust From Material Movemer	—	—	—	—	—	—	0.38	0.38	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.45	0.58	< 0.005	0.02	—	0.02	0.02	—	0.02	—	74.6	74.6	< 0.005	< 0.005	—	74.9

Dust From Material Movemer	—	—	—	—	—	—	0.07	0.07	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.89	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	235	235	< 0.005	< 0.005	0.59	237
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.26	0.63	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	1,099	1,099	0.08	0.17	1.77	1,154
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	39.3	39.3	< 0.005	< 0.005	0.05	39.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.23	0.11	< 0.005	< 0.005	0.19	0.19	< 0.005	0.05	0.05	—	196	196	0.01	0.03	0.14	205
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.50	6.50	< 0.005	< 0.005	0.01	6.53
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	32.4	32.4	< 0.005	0.01	0.02	34.0

3.4. 2-A (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.59	2.44	< 0.005	0.01	—	0.01	0.01	—	0.01	—	350	350	0.01	< 0.005	—	351
Dust From Material Movemer	—	—	—	—	—	—	0.15	0.15	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.45	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	57.9	57.9	< 0.005	< 0.005	—	58.1
Dust From Material Movemer	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.89	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	235	235	< 0.005	< 0.005	0.59	237
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.26	0.63	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	1,099	1,099	0.08	0.17	1.77	1,154
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	39.3	39.3	< 0.005	< 0.005	0.05	39.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.23	0.11	< 0.005	< 0.005	0.19	0.19	< 0.005	0.05	0.05	—	196	196	0.01	0.03	0.14	205
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.50	6.50	< 0.005	< 0.005	0.01	6.53
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	32.4	32.4	< 0.005	0.01	0.02	34.0

3.5. 2-O (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.13	1.79	15.7	27.0	0.04	0.69	—	0.69	0.63	—	0.63	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.13	1.79	15.7	27.0	0.04	0.69	—	0.69	0.63	—	0.63	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.43	3.74	6.43	0.01	0.16	—	0.16	0.15	—	0.15	—	980	980	0.04	0.01	—	984
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.68	1.17	< 0.005	0.03	—	0.03	0.03	—	0.03	—	162	162	0.01	< 0.005	—	163
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.81	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	229	229	< 0.005	< 0.005	0.46	230
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.05	0.69	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	212	212	< 0.005	< 0.005	0.01	213
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.16	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	51.1	51.1	< 0.005	< 0.005	0.05	51.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.47	8.47	< 0.005	< 0.005	0.01	8.50
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. 2-O (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.10	0.76	6.85	0.01	0.02	—	0.02	0.02	—	0.02	—	980	980	0.04	0.01	—	984
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.14	1.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	162	162	0.01	< 0.005	—	163
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.81	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	229	229	< 0.005	< 0.005	0.46	230
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.05	0.69	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	212	212	< 0.005	< 0.005	0.01	213

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.16	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	51.1	51.1	< 0.005	< 0.005	0.05	51.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.47	8.47	< 0.005	< 0.005	0.01	8.50
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. 2-B (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.72	1.44	13.8	17.7	0.02	0.54	—	0.54	0.49	—	0.49	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.72	1.44	13.8	17.7	0.02	0.54	—	0.54	0.49	—	0.49	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movement	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	0.34	3.29	4.24	0.01	0.13	—	0.13	0.12	—	0.12	—	604	604	0.02	< 0.005	—	606
Dust From Material Movement	—	—	—	—	—	—	0.51	0.51	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.60	0.77	< 0.005	0.02	—	0.02	0.02	—	0.02	—	100	100	< 0.005	< 0.005	—	100
Dust From Material Movement	—	—	—	—	—	—	0.09	0.09	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.89	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	235	235	< 0.005	< 0.005	0.59	237
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.10	0.02	1.26	0.63	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	1,099	1,099	0.08	0.17	1.77	1,154
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.77	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	218	218	< 0.005	0.01	0.02	221
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.33	0.64	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	1,099	1,099	0.08	0.17	0.05	1,153
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.18	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	52.7	52.7	< 0.005	< 0.005	0.06	52.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.31	0.15	< 0.005	< 0.005	0.26	0.26	< 0.005	0.07	0.07	—	262	262	0.02	0.04	0.18	275
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.72	8.72	< 0.005	< 0.005	0.01	8.76
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	43.4	43.4	< 0.005	0.01	0.03	45.6

3.8. 2-B (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.80	3.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	469	469	0.02	< 0.005	—	470
Dust From Material Movemer	—	—	—	—	—	—	0.20	0.20	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.15	0.60	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	77.6	77.6	< 0.005	< 0.005	—	77.9
Dust From Material Movemer	—	—	—	—	—	—	0.04	0.04	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.89	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	235	235	< 0.005	< 0.005	0.59	237
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.26	0.63	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	1,099	1,099	0.08	0.17	1.77	1,154
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.77	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	218	218	< 0.005	0.01	0.02	221
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.33	0.64	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	1,099	1,099	0.08	0.17	0.05	1,153
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.18	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	52.7	52.7	< 0.005	< 0.005	0.06	52.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.31	0.15	< 0.005	< 0.005	0.26	0.26	< 0.005	0.07	0.07	—	262	262	0.02	0.04	0.18	275
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.72	8.72	< 0.005	< 0.005	0.01	8.76
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	43.4	43.4	< 0.005	0.01	0.03	45.6

3.9. 2-B (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	1.64	1.38	13.5	17.7	0.02	0.50	—	0.50	0.46	—	0.46	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.64	1.38	13.5	17.7	0.02	0.50	—	0.50	0.46	—	0.46	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	0.41	4.02	5.25	0.01	0.15	—	0.15	0.14	—	0.14	—	753	753	0.03	0.01	—	756
Dust From Material Movemer	—	—	—	—	—	—	0.63	0.63	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.73	0.96	< 0.005	0.03	—	0.03	0.03	—	0.03	—	125	125	0.01	< 0.005	—	125

Dust From Material Movemer	—	—	—	—	—	—	0.12	0.12	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.85	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	232	232	< 0.005	< 0.005	0.52	233
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.22	0.61	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	1,066	1,066	0.07	0.17	1.59	1,121
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.73	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	215	215	< 0.005	< 0.005	0.01	216
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.29	0.61	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	1,066	1,066	0.07	0.17	0.04	1,120
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.22	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	64.7	64.7	< 0.005	< 0.005	0.07	65.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	< 0.005	0.38	0.18	< 0.005	< 0.005	0.32	0.32	< 0.005	0.08	0.09	—	317	317	0.02	0.05	0.20	333
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.7	10.7	< 0.005	< 0.005	0.01	10.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.07	0.03	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	52.5	52.5	< 0.005	0.01	0.03	55.2

3.10. 2-B (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.99	4.08	0.01	0.01	—	0.01	0.01	—	0.01	—	584	584	0.02	< 0.005	—	586
Dust From Material Movemer	—	—	—	—	—	—	0.25	0.25	—	0.03	0.03	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.18	0.74	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	96.7	96.7	< 0.005	< 0.005	—	97.0
Dust From Material Movemer	—	—	—	—	—	—	0.05	0.05	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.85	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	232	232	< 0.005	< 0.005	0.52	233
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.22	0.61	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	1,066	1,066	0.07	0.17	1.59	1,121
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.73	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	215	215	< 0.005	< 0.005	0.01	216
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.29	0.61	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	1,066	1,066	0.07	0.17	0.04	1,120
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.22	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	64.7	64.7	< 0.005	< 0.005	0.07	65.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	< 0.005	0.38	0.18	< 0.005	< 0.005	0.32	0.32	< 0.005	0.08	0.09	—	317	317	0.02	0.05	0.20	333
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.7	10.7	< 0.005	< 0.005	0.01	10.8

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.07	0.03	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	52.5	52.5	< 0.005	0.01	0.03	55.2

3.11. 2-N (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.20	1.85	16.3	27.0	0.04	0.72	—	0.72	0.67	—	0.67	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.19	3.19	—	0.35	0.35	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.99	1.64	< 0.005	0.04	—	0.04	0.04	—	0.04	—	249	249	0.01	< 0.005	—	250
Dust From Material Movemer	—	—	—	—	—	—	0.19	0.19	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.18	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	41.3	41.3	< 0.005	< 0.005	—	41.4
Dust From Material Movemer	—	—	—	—	—	—	0.04	0.04	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.73	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	215	215	< 0.005	< 0.005	0.01	216
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	13.2	13.2	< 0.005	< 0.005	0.01	13.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.19	2.19	< 0.005	< 0.005	< 0.005	2.19
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. 2-N (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.19	1.74	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	249	249	0.01	< 0.005	—	250
Dust From Material Movemer	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.3	41.3	< 0.005	< 0.005	—	41.4

Dust From Material Movemer	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.73	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	215	215	< 0.005	< 0.005	0.01	216
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	13.2	13.2	< 0.005	< 0.005	0.01	13.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.19	2.19	< 0.005	< 0.005	< 0.005	2.19
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. 2-N (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.13	1.79	15.7	27.0	0.04	0.69	—	0.69	0.63	—	0.63	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.19	3.19	—	0.35	0.35	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.98	1.69	< 0.005	0.04	—	0.04	0.04	—	0.04	—	258	258	0.01	< 0.005	—	258
Dust From Material Movemer	—	—	—	—	—	—	0.20	0.20	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.18	0.31	< 0.005	0.01	—	0.01	0.01	—	0.01	—	42.6	42.6	< 0.005	< 0.005	—	42.8
Dust From Material Movemer	—	—	—	—	—	—	0.04	0.04	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.05	0.69	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	212	212	< 0.005	< 0.005	0.01	213
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.02	0.02	—	13.4	13.4	< 0.005	< 0.005	0.01	13.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.22	2.22	< 0.005	< 0.005	< 0.005	2.23
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. 2-N (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movement	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.20	1.80	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	258	258	0.01	< 0.005	—	258
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.33	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	42.6	42.6	< 0.005	< 0.005	—	42.8
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.05	0.69	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	212	212	< 0.005	< 0.005	0.01	213
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.02	0.02	—	13.4	13.4	< 0.005	< 0.005	0.01	13.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.22	2.22	< 0.005	< 0.005	< 0.005	2.23
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. 2-D-1-A (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.09	1.28	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	364	364	0.01	0.02	0.03	369
Vendor	0.05	0.01	0.71	0.36	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	597	597	0.03	0.09	0.03	624
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	66.5	66.5	< 0.005	< 0.005	0.08	66.8
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	108	108	0.01	0.02	0.08	113
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	11.0	11.0	< 0.005	< 0.005	0.01	11.1
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	17.9	17.9	< 0.005	< 0.005	0.01	18.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. 2-D-1-A (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.09	1.28	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	364	364	0.01	0.02	0.03	369
Vendor	0.05	0.01	0.71	0.36	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	597	597	0.03	0.09	0.03	624
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	66.5	66.5	< 0.005	< 0.005	0.08	66.8
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	108	108	0.01	0.02	0.08	113
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	11.0	11.0	< 0.005	< 0.005	0.01	11.1
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	17.9	17.9	< 0.005	< 0.005	0.01	18.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. 2-D-1-C (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.87	4.90	48.3	63.5	0.13	1.11	—	1.11	1.02	—	1.02	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.87	4.90	48.3	63.5	0.13	1.11	—	1.11	1.02	—	1.02	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.19	3.50	34.5	45.3	0.10	0.79	—	0.79	0.73	—	0.73	—	9,623	9,623	0.39	0.08	—	9,656
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.76	0.64	6.29	8.27	0.02	0.14	—	0.14	0.13	—	0.13	—	1,593	1,593	0.06	0.01	—	1,599

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.19	0.12	2.28	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	619	619	0.01	0.01	1.39	623
Vendor	0.09	0.02	1.24	0.57	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,338	1,338	0.06	0.19	2.03	1,398
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.18	0.15	1.95	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	574	574	0.01	0.01	0.04	576
Vendor	0.08	0.02	1.30	0.58	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,338	1,338	0.06	0.19	0.05	1,397
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.13	0.09	1.38	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	414	414	0.01	< 0.005	0.43	416
Vendor	0.06	0.02	0.92	0.41	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	956	956	0.05	0.14	0.63	998
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.25	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	68.6	68.6	< 0.005	< 0.005	0.07	68.9
Vendor	0.01	< 0.005	0.17	0.08	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	158	158	0.01	0.02	0.10	165
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.18. 2-D-1-C (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.59	3.07	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,231	6,231	0.25	0.05	—	6,252
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.56	6.09	0.01	0.02	—	0.02	0.02	—	0.02	—	1,032	1,032	0.04	0.01	—	1,035
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.19	0.19	0.12	2.28	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	619	619	0.01	0.01	1.39	623
Vendor	0.09	0.02	1.24	0.57	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,338	1,338	0.06	0.19	2.03	1,398
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.18	0.15	1.95	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	574	574	0.01	0.01	0.04	576
Vendor	0.08	0.02	1.30	0.58	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,338	1,338	0.06	0.19	0.05	1,397
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.13	0.09	1.38	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	414	414	0.01	< 0.005	0.43	416
Vendor	0.06	0.02	0.92	0.41	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	956	956	0.05	0.14	0.63	998
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.25	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	68.6	68.6	< 0.005	< 0.005	0.07	68.9
Vendor	0.01	< 0.005	0.17	0.08	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	158	158	0.01	0.02	0.10	165
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.19. 2-D-1-C (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.70	4.76	46.9	63.0	0.13	1.00	—	1.00	0.92	—	0.92	—	13,473	13,473	0.55	0.11	—	13,519

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.70	4.76	46.9	63.0	0.13	1.00	—	1.00	0.92	—	0.92	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.74	3.13	30.8	41.4	0.09	0.66	—	0.66	0.60	—	0.60	—	8,859	8,859	0.36	0.07	—	8,889
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.68	0.57	5.63	7.56	0.02	0.12	—	0.12	0.11	—	0.11	—	1,467	1,467	0.06	0.01	—	1,472
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.18	0.10	2.16	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	611	611	0.01	0.01	1.22	614
Vendor	0.09	0.02	1.18	0.55	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,290	1,290	0.05	0.19	1.73	1,350
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.18	0.17	0.12	1.84	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	566	566	0.01	0.01	0.03	568
Vendor	0.08	0.02	1.24	0.55	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,291	1,291	0.05	0.19	0.04	1,349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.08	1.20	0.00	0.00	1.76	1.76	0.00	0.43	0.43	—	376	376	0.01	< 0.005	0.35	378
Vendor	0.06	0.01	0.81	0.36	0.01	0.01	0.98	0.99	0.01	0.25	0.26	—	849	849	0.03	0.13	0.49	887
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.22	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	62.3	62.3	< 0.005	< 0.005	0.06	62.6
Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.18	0.18	< 0.005	0.05	0.05	—	140	140	0.01	0.02	0.08	147
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.20. 2-D-1-C (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.54	0.54	2.83	30.7	0.05	0.11	—	0.11	0.11	—	0.11	—	5,736	5,736	0.23	0.05	—	5,755
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.10	0.52	5.60	0.01	0.02	—	0.02	0.02	—	0.02	—	950	950	0.04	0.01	—	953
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.18	0.10	2.16	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	611	611	0.01	0.01	1.22	614
Vendor	0.09	0.02	1.18	0.55	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,290	1,290	0.05	0.19	1.73	1,350
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.17	0.12	1.84	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	566	566	0.01	0.01	0.03	568
Vendor	0.08	0.02	1.24	0.55	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,291	1,291	0.05	0.19	0.04	1,349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.08	1.20	0.00	0.00	1.76	1.76	0.00	0.43	0.43	—	376	376	0.01	< 0.005	0.35	378
Vendor	0.06	0.01	0.81	0.36	0.01	0.01	0.98	0.99	0.01	0.25	0.26	—	849	849	0.03	0.13	0.49	887
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.22	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	62.3	62.3	< 0.005	< 0.005	0.06	62.6
Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.18	0.18	< 0.005	0.05	0.05	—	140	140	0.01	0.02	0.08	147
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. 2-D-2-A (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.07	1.42	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	387	387	0.01	< 0.005	0.87	389
Vendor	0.05	0.02	0.65	0.34	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	576	576	0.03	0.08	0.85	602
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.09	1.22	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	359	359	0.01	< 0.005	0.02	360
Vendor	0.05	0.01	0.68	0.35	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	576	576	0.03	0.08	0.02	602
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.21	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	62.6	62.6	< 0.005	< 0.005	0.06	62.9
Vendor	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	99.4	99.4	0.01	0.01	0.06	104
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.4	10.4	< 0.005	< 0.005	0.01	10.4
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	16.5	16.5	< 0.005	< 0.005	0.01	17.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.22. 2-D-2-A (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.07	1.42	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	387	387	0.01	< 0.005	0.87	389
Vendor	0.05	0.02	0.65	0.34	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	576	576	0.03	0.08	0.85	602
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.09	1.22	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	359	359	0.01	< 0.005	0.02	360
Vendor	0.05	0.01	0.68	0.35	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	576	576	0.03	0.08	0.02	602
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.21	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	62.6	62.6	< 0.005	< 0.005	0.06	62.9
Vendor	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	99.4	99.4	0.01	0.01	0.06	104
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.4	10.4	< 0.005	< 0.005	0.01	10.4

Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	16.5	16.5	< 0.005	< 0.005	0.01	17.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.23. 2-D-2-C (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.87	4.90	48.3	63.5	0.13	1.11	—	1.11	1.02	—	1.02	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.87	4.90	48.3	63.5	0.13	1.11	—	1.11	1.02	—	1.02	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.81	2.35	23.1	30.4	0.06	0.53	—	0.53	0.49	—	0.49	—	6,459	6,459	0.26	0.05	—	6,482
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipmer	0.51 t	0.43	4.22	5.55	0.01	0.10	—	0.10	0.09	—	0.09	—	1,069	1,069	0.04	0.01	—	1,073
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.19	0.12	2.28	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	619	619	0.01	0.01	1.39	623
Vendor	0.09	0.02	1.24	0.57	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,338	1,338	0.06	0.19	2.03	1,398
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.18	0.15	1.95	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	574	574	0.01	0.01	0.04	576
Vendor	0.08	0.02	1.30	0.58	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,338	1,338	0.06	0.19	0.05	1,397
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.06	0.93	0.00	0.00	1.28	1.28	0.00	0.32	0.32	—	278	278	0.01	< 0.005	0.29	279
Vendor	0.04	0.01	0.62	0.28	0.01	0.01	0.72	0.72	0.01	0.18	0.19	—	641	641	0.03	0.09	0.42	670
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	46.1	46.1	< 0.005	< 0.005	0.05	46.3
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	106	106	0.01	0.02	0.07	111
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.24. 2-D-2-C (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	2.06	22.4	0.04	0.08	—	0.08	0.08	—	0.08	—	4,182	4,182	0.17	0.03	—	4,197
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.38	4.09	0.01	0.01	—	0.01	0.01	—	0.01	—	692	692	0.03	0.01	—	695
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.19	0.19	0.12	2.28	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	619	619	0.01	0.01	1.39	623
Vendor	0.09	0.02	1.24	0.57	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,338	1,338	0.06	0.19	2.03	1,398
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.18	0.15	1.95	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	574	574	0.01	0.01	0.04	576
Vendor	0.08	0.02	1.30	0.58	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,338	1,338	0.06	0.19	0.05	1,397
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.06	0.93	0.00	0.00	1.28	1.28	0.00	0.32	0.32	—	278	278	0.01	< 0.005	0.29	279
Vendor	0.04	0.01	0.62	0.28	0.01	0.01	0.72	0.72	0.01	0.18	0.19	—	641	641	0.03	0.09	0.42	670
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	46.1	46.1	< 0.005	< 0.005	0.05	46.3
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	106	106	0.01	0.02	0.07	111
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.25. 2-D-2-C (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.70	4.76	46.9	63.0	0.13	1.00	—	1.00	0.92	—	0.92	—	13,473	13,473	0.55	0.11	—	13,519

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.70	4.76	46.9	63.0	0.13	1.00	—	1.00	0.92	—	0.92	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.08	3.41	33.6	45.1	0.10	0.71	—	0.71	0.66	—	0.66	—	9,650	9,650	0.39	0.08	—	9,683
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	0.62	6.13	8.23	0.02	0.13	—	0.13	0.12	—	0.12	—	1,598	1,598	0.06	0.01	—	1,603
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.18	0.10	2.16	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	611	611	0.01	0.01	1.22	614
Vendor	0.09	0.02	1.18	0.55	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,290	1,290	0.05	0.19	1.73	1,350
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.18	0.17	0.12	1.84	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	566	566	0.01	0.01	0.03	568
Vendor	0.08	0.02	1.24	0.55	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,291	1,291	0.05	0.19	0.04	1,349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.09	1.30	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	410	410	0.01	< 0.005	0.38	412
Vendor	0.06	0.02	0.88	0.39	0.01	0.01	1.07	1.08	0.01	0.28	0.28	—	924	924	0.04	0.14	0.54	967
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	67.9	67.9	< 0.005	< 0.005	0.06	68.1
Vendor	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.20	0.20	< 0.005	0.05	0.05	—	153	153	0.01	0.02	0.09	160
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.26. 2-D-2-C (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.59	3.08	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,248	6,248	0.25	0.05	—	6,269
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.56	6.10	0.01	0.02	—	0.02	0.02	—	0.02	—	1,034	1,034	0.04	0.01	—	1,038
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.18	0.10	2.16	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	611	611	0.01	0.01	1.22	614
Vendor	0.09	0.02	1.18	0.55	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,290	1,290	0.05	0.19	1.73	1,350
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.17	0.12	1.84	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	566	566	0.01	0.01	0.03	568
Vendor	0.08	0.02	1.24	0.55	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,291	1,291	0.05	0.19	0.04	1,349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.09	1.30	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	410	410	0.01	< 0.005	0.38	412
Vendor	0.06	0.02	0.88	0.39	0.01	0.01	1.07	1.08	0.01	0.28	0.28	—	924	924	0.04	0.14	0.54	967
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	67.9	67.9	< 0.005	< 0.005	0.06	68.1
Vendor	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.20	0.20	< 0.005	0.05	0.05	—	153	153	0.01	0.02	0.09	160
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.27. 2-D-2-C (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.57	4.65	45.7	62.9	0.13	0.89	—	0.89	0.82	—	0.82	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.57	4.65	45.7	62.9	0.13	0.89	—	0.89	0.82	—	0.82	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99	0.83	8.15	11.2	0.02	0.16	—	0.16	0.15	—	0.15	—	2,399	2,399	0.10	0.02	—	2,407
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	1.49	2.05	< 0.005	0.03	—	0.03	0.03	—	0.03	—	397	397	0.02	< 0.005	—	399
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.17	0.10	2.08	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	603	603	0.01	0.01	1.06	606
Vendor	0.07	0.02	1.13	0.52	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,244	1,244	0.05	0.18	1.48	1,301
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.12	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	559	559	0.01	0.01	0.03	561
Vendor	0.07	0.02	1.20	0.53	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,245	1,245	0.05	0.18	0.04	1,300
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.31	0.00	0.00	0.48	0.48	0.00	0.12	0.12	—	101	101	< 0.005	< 0.005	0.08	101
Vendor	0.01	< 0.005	0.21	0.09	< 0.005	< 0.005	0.27	0.27	< 0.005	0.07	0.07	—	222	222	0.01	0.03	0.11	232
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	16.7	16.7	< 0.005	< 0.005	0.01	16.7
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	36.7	36.7	< 0.005	0.01	0.02	38.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.28. 2-D-2-C (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	0.77	8.32	0.01	0.03	—	0.03	0.03	—	0.03	—	1,553	1,553	0.06	0.01	—	1,559
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.14	1.52	< 0.005	0.01	—	0.01	0.01	—	0.01	—	257	257	0.01	< 0.005	—	258
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.17	0.10	2.08	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	603	603	0.01	0.01	1.06	606
Vendor	0.07	0.02	1.13	0.52	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,244	1,244	0.05	0.18	1.48	1,301
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.12	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	559	559	0.01	0.01	0.03	561
Vendor	0.07	0.02	1.20	0.53	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,245	1,245	0.05	0.18	0.04	1,300
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.31	0.00	0.00	0.48	0.48	0.00	0.12	0.12	—	101	101	< 0.005	< 0.005	0.08	101
Vendor	0.01	< 0.005	0.21	0.09	< 0.005	< 0.005	0.27	0.27	< 0.005	0.07	0.07	—	222	222	0.01	0.03	0.11	232
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	16.7	16.7	< 0.005	< 0.005	0.01	16.7
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	36.7	36.7	< 0.005	0.01	0.02	38.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.29. 2-Q (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.02	1.44	0.72	0.01	0.02	1.25	1.27	0.02	0.32	0.34	—	1,256	1,256	0.09	0.20	2.02	1,319
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.02	1.52	0.73	0.01	0.02	1.25	1.27	0.02	0.32	0.34	—	1,256	1,256	0.09	0.20	0.05	1,318

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.63	0.30	< 0.005	0.01	0.52	0.52	0.01	0.13	0.14	—	526	526	0.04	0.08	0.37	552
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.11	0.06	< 0.005	< 0.005	0.09	0.10	< 0.005	0.02	0.03	—	87.1	87.1	0.01	0.01	0.06	91.4

3.30. 2-Q (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.02	1.44	0.72	0.01	0.02	1.25	1.27	0.02	0.32	0.34	—	1,256	1,256	0.09	0.20	2.02	1,319
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.02	1.52	0.73	0.01	0.02	1.25	1.27	0.02	0.32	0.34	—	1,256	1,256	0.09	0.20	0.05	1,318
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.63	0.30	< 0.005	0.01	0.52	0.52	0.01	0.13	0.14	—	526	526	0.04	0.08	0.37	552
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.11	0.06	< 0.005	< 0.005	0.09	0.10	< 0.005	0.02	0.03	—	87.1	87.1	0.01	0.01	0.06	91.4

3.31. 2-Q (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.02	1.39	0.70	0.01	0.02	1.25	1.27	0.02	0.32	0.34	—	1,218	1,218	0.08	0.20	1.82	1,281
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.02	1.47	0.70	0.01	0.02	1.25	1.27	0.02	0.32	0.34	—	1,219	1,219	0.08	0.20	0.05	1,280
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.01	1.03	0.50	0.01	0.01	0.88	0.89	0.01	0.23	0.24	—	870	870	0.06	0.14	0.56	914
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.19	0.09	< 0.005	< 0.005	0.16	0.16	< 0.005	0.04	0.04	—	144	144	0.01	0.02	0.09	151

3.32. 2-Q (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.02	1.39	0.70	0.01	0.02	1.25	1.27	0.02	0.32	0.34	—	1,218	1,218	0.08	0.20	1.82	1,281

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.02	1.47	0.70	0.01	0.02	1.25	1.27	0.02	0.32	0.34	—	1,219	1,219	0.08	0.20	0.05	1,280
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.01	1.03	0.50	0.01	0.01	0.88	0.89	0.01	0.23	0.24	—	870	870	0.06	0.14	0.56	914
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.19	0.09	< 0.005	< 0.005	0.16	0.16	< 0.005	0.04	0.04	—	144	144	0.01	0.02	0.09	151

3.33. 2-Q (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.35	0.66	0.01	0.02	1.25	1.27	0.02	0.32	0.34	—	1,182	1,182	0.07	0.19	1.61	1,242
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.43	0.67	0.01	0.02	1.25	1.27	0.02	0.32	0.34	—	1,183	1,183	0.07	0.19	0.04	1,241
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.01	1.01	0.47	0.01	0.01	0.88	0.89	0.01	0.23	0.24	—	847	847	0.05	0.14	0.50	889
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.18	0.09	< 0.005	< 0.005	0.16	0.16	< 0.005	0.04	0.04	—	140	140	0.01	0.02	0.08	147

3.34. 2-Q (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.35	0.66	0.01	0.02	1.25	1.27	0.02	0.32	0.34	—	1,182	1,182	0.07	0.19	1.61	1,242
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.43	0.67	0.01	0.02	1.25	1.27	0.02	0.32	0.34	—	1,183	1,183	0.07	0.19	0.04	1,241
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.01	1.01	0.47	0.01	0.01	0.88	0.89	0.01	0.23	0.24	—	847	847	0.05	0.14	0.50	889
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.18	0.09	< 0.005	< 0.005	0.16	0.16	< 0.005	0.04	0.04	—	140	140	0.01	0.02	0.08	147

3.35. 2-Q (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.32	0.63	0.01	0.02	1.25	1.27	0.02	0.32	0.34	—	1,150	1,150	0.07	0.18	1.41	1,207
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.38	0.64	0.01	0.02	1.25	1.27	0.02	0.32	0.34	—	1,150	1,150	0.07	0.18	0.04	1,206
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	0.01	0.89	0.42	0.01	0.01	0.81	0.82	0.01	0.21	0.22	—	754	754	0.05	0.12	0.40	791
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.16	0.08	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.04	—	125	125	0.01	0.02	0.07	131

3.36. 2-Q (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.32	0.63	0.01	0.02	1.25	1.27	0.02	0.32	0.34	—	1,150	1,150	0.07	0.18	1.41	1,207
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.38	0.64	0.01	0.02	1.25	1.27	0.02	0.32	0.34	—	1,150	1,150	0.07	0.18	0.04	1,206
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	0.01	0.89	0.42	0.01	0.01	0.81	0.82	0.01	0.21	0.22	—	754	754	0.05	0.12	0.40	791
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.16	0.08	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.04	—	125	125	0.01	0.02	0.07	131

3.37. 2-F-1-A (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.07	1.42	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	387	387	0.01	< 0.005	0.87	389
Vendor	0.05	0.02	0.65	0.34	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	576	576	0.03	0.08	0.85	602
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.09	1.22	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	359	359	0.01	< 0.005	0.02	360
Vendor	0.05	0.01	0.68	0.35	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	576	576	0.03	0.08	0.02	602

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.21	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	62.6	62.6	< 0.005	< 0.005	0.06	62.9
Vendor	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	99.4	99.4	0.01	0.01	0.06	104
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.4	10.4	< 0.005	< 0.005	0.01	10.4
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	16.5	16.5	< 0.005	< 0.005	0.01	17.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.38. 2-F-1-A (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.07	1.42	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	387	387	0.01	< 0.005	0.87	389
Vendor	0.05	0.02	0.65	0.34	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	576	576	0.03	0.08	0.85	602
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.09	1.22	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	359	359	0.01	< 0.005	0.02	360
Vendor	0.05	0.01	0.68	0.35	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	576	576	0.03	0.08	0.02	602
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.21	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	62.6	62.6	< 0.005	< 0.005	0.06	62.9
Vendor	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	99.4	99.4	0.01	0.01	0.06	104
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.4	10.4	< 0.005	< 0.005	0.01	10.4
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	16.5	16.5	< 0.005	< 0.005	0.01	17.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.39. 2-F-1-C (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	5.87	4.90	48.3	63.5	0.13	1.11	—	1.11	1.02	—	1.02	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.87	4.90	48.3	63.5	0.13	1.11	—	1.11	1.02	—	1.02	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.81	2.35	23.1	30.4	0.06	0.53	—	0.53	0.49	—	0.49	—	6,459	6,459	0.26	0.05	—	6,482
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.43	4.22	5.55	0.01	0.10	—	0.10	0.09	—	0.09	—	1,069	1,069	0.04	0.01	—	1,073
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.19	0.12	2.28	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	619	619	0.01	0.01	1.39	623
Vendor	0.09	0.02	1.24	0.57	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,338	1,338	0.06	0.19	2.03	1,398
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.18	0.15	1.95	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	574	574	0.01	0.01	0.04	576
Vendor	0.08	0.02	1.30	0.58	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,338	1,338	0.06	0.19	0.05	1,397
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.06	0.93	0.00	0.00	1.28	1.28	0.00	0.32	0.32	—	278	278	0.01	< 0.005	0.29	279
Vendor	0.04	0.01	0.62	0.28	0.01	0.01	0.72	0.72	0.01	0.18	0.19	—	641	641	0.03	0.09	0.42	670
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	46.1	46.1	< 0.005	< 0.005	0.05	46.3
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	106	106	0.01	0.02	0.07	111
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.40. 2-F-1-C (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	2.06	22.4	0.04	0.08	—	0.08	0.08	—	0.08	—	4,182	4,182	0.17	0.03	—	4,197
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.38	4.09	0.01	0.01	—	0.01	0.01	—	0.01	—	692	692	0.03	0.01	—	695
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.19	0.12	2.28	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	619	619	0.01	0.01	1.39	623
Vendor	0.09	0.02	1.24	0.57	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,338	1,338	0.06	0.19	2.03	1,398
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.18	0.15	1.95	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	574	574	0.01	0.01	0.04	576
Vendor	0.08	0.02	1.30	0.58	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,338	1,338	0.06	0.19	0.05	1,397
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.09	0.09	0.06	0.93	0.00	0.00	1.28	1.28	0.00	0.32	0.32	—	278	278	0.01	< 0.005	0.29	279
Vendor	0.04	0.01	0.62	0.28	0.01	0.01	0.72	0.72	0.01	0.18	0.19	—	641	641	0.03	0.09	0.42	670
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	46.1	46.1	< 0.005	< 0.005	0.05	46.3
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	106	106	0.01	0.02	0.07	111
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.41. 2-F-1-C (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.70	4.76	46.9	63.0	0.13	1.00	—	1.00	0.92	—	0.92	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.70	4.76	46.9	63.0	0.13	1.00	—	1.00	0.92	—	0.92	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	4.08	3.41	33.6	45.1	0.10	0.71	—	0.71	0.66	—	0.66	—	9,650	9,650	0.39	0.08	—	9,683
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	0.62	6.13	8.23	0.02	0.13	—	0.13	0.12	—	0.12	—	1,598	1,598	0.06	0.01	—	1,603
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.18	0.10	2.16	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	611	611	0.01	0.01	1.22	614
Vendor	0.09	0.02	1.18	0.55	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,290	1,290	0.05	0.19	1.73	1,350
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.17	0.12	1.84	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	566	566	0.01	0.01	0.03	568
Vendor	0.08	0.02	1.24	0.55	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,291	1,291	0.05	0.19	0.04	1,349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.09	1.30	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	410	410	0.01	< 0.005	0.38	412
Vendor	0.06	0.02	0.88	0.39	0.01	0.01	1.07	1.08	0.01	0.28	0.28	—	924	924	0.04	0.14	0.54	967
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	67.9	67.9	< 0.005	< 0.005	0.06	68.1
Vendor	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.20	0.20	< 0.005	0.05	0.05	—	153	153	0.01	0.02	0.09	160

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.42. 2-F-1-C (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.59	3.08	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,248	6,248	0.25	0.05	—	6,269
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.11	0.11	0.56	6.10	0.01	0.02	—	0.02	0.02	—	0.02	—	1,034	1,034	0.04	0.01	—	1,038
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.18	0.10	2.16	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	611	611	0.01	0.01	1.22	614
Vendor	0.09	0.02	1.18	0.55	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,290	1,290	0.05	0.19	1.73	1,350
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.17	0.12	1.84	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	566	566	0.01	0.01	0.03	568
Vendor	0.08	0.02	1.24	0.55	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,291	1,291	0.05	0.19	0.04	1,349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.09	1.30	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	410	410	0.01	< 0.005	0.38	412
Vendor	0.06	0.02	0.88	0.39	0.01	0.01	1.07	1.08	0.01	0.28	0.28	—	924	924	0.04	0.14	0.54	967
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	67.9	67.9	< 0.005	< 0.005	0.06	68.1
Vendor	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.20	0.20	< 0.005	0.05	0.05	—	153	153	0.01	0.02	0.09	160
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.43. 2-F-1-C (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.57	4.65	45.7	62.9	0.13	0.89	—	0.89	0.82	—	0.82	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.57	4.65	45.7	62.9	0.13	0.89	—	0.89	0.82	—	0.82	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.66	1.38	13.6	18.7	0.04	0.27	—	0.27	0.24	—	0.24	—	4,008	4,008	0.16	0.03	—	4,021
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	0.25	2.48	3.42	0.01	0.05	—	0.05	0.04	—	0.04	—	663	663	0.03	0.01	—	666
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.17	0.10	2.08	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	603	603	0.01	0.01	1.06	606
Vendor	0.07	0.02	1.13	0.52	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,244	1,244	0.05	0.18	1.48	1,301
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.12	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	559	559	0.01	0.01	0.03	561
Vendor	0.07	0.02	1.20	0.53	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,245	1,245	0.05	0.18	0.04	1,300
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.52	0.00	0.00	0.79	0.79	0.00	0.20	0.20	—	168	168	< 0.005	< 0.005	0.14	169
Vendor	0.02	0.01	0.35	0.16	< 0.005	< 0.005	0.44	0.45	< 0.005	0.11	0.12	—	370	370	0.02	0.05	0.19	387
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	27.8	27.8	< 0.005	< 0.005	0.02	27.9
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	61.3	61.3	< 0.005	0.01	0.03	64.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.44. 2-F-1-C (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.25	1.28	13.9	0.02	0.05	—	0.05	0.05	—	0.05	—	2,595	2,595	0.11	0.02	—	2,604
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.23	2.53	< 0.005	0.01	—	0.01	0.01	—	0.01	—	430	430	0.02	< 0.005	—	431
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.17	0.10	2.08	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	603	603	0.01	0.01	1.06	606
Vendor	0.07	0.02	1.13	0.52	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,244	1,244	0.05	0.18	1.48	1,301
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.12	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	559	559	0.01	0.01	0.03	561
Vendor	0.07	0.02	1.20	0.53	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,245	1,245	0.05	0.18	0.04	1,300
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.52	0.00	0.00	0.79	0.79	0.00	0.20	0.20	—	168	168	< 0.005	< 0.005	0.14	169
Vendor	0.02	0.01	0.35	0.16	< 0.005	< 0.005	0.44	0.45	< 0.005	0.11	0.12	—	370	370	0.02	0.05	0.19	387
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	27.8	27.8	< 0.005	< 0.005	0.02	27.9
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	61.3	61.3	< 0.005	0.01	0.03	64.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.45. 2-H-1-A (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.57	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	155	155	< 0.005	< 0.005	0.35	156
Vendor	0.03	0.01	0.39	0.20	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	346	346	0.02	0.05	0.51	361
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	25.8	25.8	< 0.005	< 0.005	0.03	25.9
Vendor	0.01	< 0.005	0.07	0.04	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	61.6	61.6	< 0.005	0.01	0.04	64.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.28	4.28	< 0.005	< 0.005	< 0.005	4.29
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	0.01	10.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.46. 2-H-1-A (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.57	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	155	155	< 0.005	< 0.005	0.35	156
Vendor	0.03	0.01	0.39	0.20	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	346	346	0.02	0.05	0.51	361
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	25.8	25.8	< 0.005	< 0.005	0.03	25.9
Vendor	0.01	< 0.005	0.07	0.04	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	61.6	61.6	< 0.005	0.01	0.04	64.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.28	4.28	< 0.005	< 0.005	< 0.005	4.29
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	0.01	10.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.47. 2-H-1-C (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.87	4.90	48.3	63.5	0.13	1.11	—	1.11	1.02	—	1.02	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.87	4.90	48.3	63.5	0.13	1.11	—	1.11	1.02	—	1.02	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.40	1.17	11.5	15.1	0.03	0.26	—	0.26	0.24	—	0.24	—	3,217	3,217	0.13	0.03	—	3,228
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.21	2.10	2.76	0.01	0.05	—	0.05	0.04	—	0.04	—	533	533	0.02	< 0.005	—	534

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.85	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	232	232	< 0.005	< 0.005	0.52	233
Vendor	0.03	0.01	0.39	0.20	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	346	346	0.02	0.05	0.51	361
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.73	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	215	215	< 0.005	< 0.005	0.01	216
Vendor	0.03	0.01	0.41	0.21	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	346	346	0.02	0.05	0.01	361
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	51.9	51.9	< 0.005	< 0.005	0.05	52.2
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	82.5	82.5	< 0.005	0.01	0.05	86.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.60	8.60	< 0.005	< 0.005	0.01	8.64
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	0.01	14.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.48. 2-H-1-C (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.20	1.03	11.1	0.02	0.04	—	0.04	0.04	—	0.04	—	2,083	2,083	0.08	0.02	—	2,090
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.19	2.03	< 0.005	0.01	—	0.01	0.01	—	0.01	—	345	345	0.01	< 0.005	—	346
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.07	0.07	0.04	0.85	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	232	232	< 0.005	< 0.005	0.52	233
Vendor	0.03	0.01	0.39	0.20	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	346	346	0.02	0.05	0.51	361
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.73	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	215	215	< 0.005	< 0.005	0.01	216
Vendor	0.03	0.01	0.41	0.21	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	346	346	0.02	0.05	0.01	361
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	51.9	51.9	< 0.005	< 0.005	0.05	52.2
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	82.5	82.5	< 0.005	0.01	0.05	86.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.60	8.60	< 0.005	< 0.005	0.01	8.64
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	0.01	14.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.49. 2-H-1-C (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.70	4.76	46.9	63.0	0.13	1.00	—	1.00	0.92	—	0.92	—	13,473	13,473	0.55	0.11	—	13,519

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.70	4.76	46.9	63.0	0.13	1.00	—	1.00	0.92	—	0.92	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.08	3.41	33.6	45.1	0.10	0.71	—	0.71	0.66	—	0.66	—	9,650	9,650	0.39	0.08	—	9,683
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	0.62	6.13	8.23	0.02	0.13	—	0.13	0.12	—	0.12	—	1,598	1,598	0.06	0.01	—	1,603
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.81	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	229	229	< 0.005	< 0.005	0.46	230
Vendor	0.03	0.01	0.37	0.20	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	333	333	0.02	0.05	0.44	349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.07	0.07	0.05	0.69	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	212	212	< 0.005	< 0.005	0.01	213
Vendor	0.03	0.01	0.39	0.20	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	334	334	0.02	0.05	0.01	349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.49	0.00	0.00	0.72	0.72	0.00	0.18	0.18	—	154	154	< 0.005	< 0.005	0.14	154
Vendor	0.02	0.01	0.28	0.14	< 0.005	< 0.005	0.27	0.27	< 0.005	0.07	0.07	—	239	239	0.01	0.04	0.14	250
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	25.4	25.4	< 0.005	< 0.005	0.02	25.6
Vendor	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	39.6	39.6	< 0.005	0.01	0.02	41.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.50. 2-H-1-C (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.59	3.08	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,248	6,248	0.25	0.05	—	6,269
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.56	6.10	0.01	0.02	—	0.02	0.02	—	0.02	—	1,034	1,034	0.04	0.01	—	1,038
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.81	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	229	229	< 0.005	< 0.005	0.46	230
Vendor	0.03	0.01	0.37	0.20	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	333	333	0.02	0.05	0.44	349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.05	0.69	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	212	212	< 0.005	< 0.005	0.01	213
Vendor	0.03	0.01	0.39	0.20	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	334	334	0.02	0.05	0.01	349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.49	0.00	0.00	0.72	0.72	0.00	0.18	0.18	—	154	154	< 0.005	< 0.005	0.14	154
Vendor	0.02	0.01	0.28	0.14	< 0.005	< 0.005	0.27	0.27	< 0.005	0.07	0.07	—	239	239	0.01	0.04	0.14	250
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	25.4	25.4	< 0.005	< 0.005	0.02	25.6
Vendor	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	39.6	39.6	< 0.005	0.01	0.02	41.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.51. 2-H-1-C (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.57	4.65	45.7	62.9	0.13	0.89	—	0.89	0.82	—	0.82	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.57	4.65	45.7	62.9	0.13	0.89	—	0.89	0.82	—	0.82	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.66	1.38	13.6	18.7	0.04	0.27	—	0.27	0.24	—	0.24	—	4,008	4,008	0.16	0.03	—	4,021
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	0.25	2.48	3.42	0.01	0.05	—	0.05	0.04	—	0.04	—	663	663	0.03	0.01	—	666
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.78	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	226	226	< 0.005	< 0.005	0.40	227
Vendor	0.03	0.01	0.36	0.19	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	322	322	0.02	0.05	0.37	337
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	210	210	< 0.005	< 0.005	0.01	210
Vendor	0.02	0.01	0.38	0.19	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	322	322	0.02	0.05	0.01	337
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	63.0	63.0	< 0.005	< 0.005	0.05	63.3
Vendor	0.01	< 0.005	0.11	0.06	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	95.8	95.8	< 0.005	0.01	0.05	100
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.4	10.4	< 0.005	< 0.005	0.01	10.5
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	15.9	15.9	< 0.005	< 0.005	0.01	16.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.52. 2-H-1-C (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.25	1.28	13.9	0.02	0.05	—	0.05	0.05	—	0.05	—	2,595	2,595	0.11	0.02	—	2,604
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.23	2.53	< 0.005	0.01	—	0.01	0.01	—	0.01	—	430	430	0.02	< 0.005	—	431
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.78	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	226	226	< 0.005	< 0.005	0.40	227
Vendor	0.03	0.01	0.36	0.19	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	322	322	0.02	0.05	0.37	337
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	210	210	< 0.005	< 0.005	0.01	210
Vendor	0.02	0.01	0.38	0.19	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	322	322	0.02	0.05	0.01	337
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	63.0	63.0	< 0.005	< 0.005	0.05	63.3
Vendor	0.01	< 0.005	0.11	0.06	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	95.8	95.8	< 0.005	0.01	0.05	100
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.4	10.4	< 0.005	< 0.005	0.01	10.5
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	15.9	15.9	< 0.005	< 0.005	0.01	16.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.53. 2-H-2-A (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.57	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	155	155	< 0.005	< 0.005	0.35	156
Vendor	0.03	0.01	0.39	0.20	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	346	346	0.02	0.05	0.51	361
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	25.8	25.8	< 0.005	< 0.005	0.03	25.9
Vendor	0.01	< 0.005	0.07	0.04	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	61.6	61.6	< 0.005	0.01	0.04	64.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.28	4.28	< 0.005	< 0.005	< 0.005	4.29
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	0.01	10.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.54. 2-H-2-A (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.57	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	155	155	< 0.005	< 0.005	0.35	156
Vendor	0.03	0.01	0.39	0.20	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	346	346	0.02	0.05	0.51	361
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	25.8	25.8	< 0.005	< 0.005	0.03	25.9
Vendor	0.01	< 0.005	0.07	0.04	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	61.6	61.6	< 0.005	0.01	0.04	64.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.28	4.28	< 0.005	< 0.005	< 0.005	4.29
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	0.01	10.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.55. 2-H-2-C (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.87	4.90	48.3	63.5	0.13	1.11	—	1.11	1.02	—	1.02	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.87	4.90	48.3	63.5	0.13	1.11	—	1.11	1.02	—	1.02	—	13,473	13,473	0.55	0.11	—	13,519

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.40	1.17	11.5	15.1	0.03	0.26	—	0.26	0.24	—	0.24	—	3,217	3,217	0.13	0.03	—	3,228
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.21	2.10	2.76	0.01	0.05	—	0.05	0.04	—	0.04	—	533	533	0.02	< 0.005	—	534
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.85	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	232	232	< 0.005	< 0.005	0.52	233
Vendor	0.03	0.01	0.39	0.20	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	346	346	0.02	0.05	0.51	361
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.73	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	215	215	< 0.005	< 0.005	0.01	216
Vendor	0.03	0.01	0.41	0.21	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	346	346	0.02	0.05	0.01	361
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	51.9	51.9	< 0.005	< 0.005	0.05	52.2
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	82.5	82.5	< 0.005	0.01	0.05	86.2

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.60	8.60	< 0.005	< 0.005	0.01	8.64
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	0.01	14.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.56. 2-H-2-C (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.20	1.03	11.1	0.02	0.04	—	0.04	0.04	—	0.04	—	2,083	2,083	0.08	0.02	—	2,090

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.19	2.03	< 0.005	0.01	—	0.01	0.01	—	0.01	—	345	345	0.01	< 0.005	—	346
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.85	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	232	232	< 0.005	< 0.005	0.52	233
Vendor	0.03	0.01	0.39	0.20	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	346	346	0.02	0.05	0.51	361
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.73	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	215	215	< 0.005	< 0.005	0.01	216
Vendor	0.03	0.01	0.41	0.21	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	346	346	0.02	0.05	0.01	361
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	51.9	51.9	< 0.005	< 0.005	0.05	52.2
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	82.5	82.5	< 0.005	0.01	0.05	86.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.60	8.60	< 0.005	< 0.005	0.01	8.64
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	0.01	14.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.57. 2-H-2-C (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.70	4.76	46.9	63.0	0.13	1.00	—	1.00	0.92	—	0.92	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.70	4.76	46.9	63.0	0.13	1.00	—	1.00	0.92	—	0.92	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.08	3.41	33.6	45.1	0.10	0.71	—	0.71	0.66	—	0.66	—	9,650	9,650	0.39	0.08	—	9,683
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	0.62	6.13	8.23	0.02	0.13	—	0.13	0.12	—	0.12	—	1,598	1,598	0.06	0.01	—	1,603

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.81	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	229	229	< 0.005	< 0.005	0.46	230
Vendor	0.03	0.01	0.37	0.20	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	333	333	0.02	0.05	0.44	349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.05	0.69	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	212	212	< 0.005	< 0.005	0.01	213
Vendor	0.03	0.01	0.39	0.20	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	334	334	0.02	0.05	0.01	349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.49	0.00	0.00	0.72	0.72	0.00	0.18	0.18	—	154	154	< 0.005	< 0.005	0.14	154
Vendor	0.02	0.01	0.28	0.14	< 0.005	< 0.005	0.27	0.27	< 0.005	0.07	0.07	—	239	239	0.01	0.04	0.14	250
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	25.4	25.4	< 0.005	< 0.005	0.02	25.6
Vendor	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	39.6	39.6	< 0.005	0.01	0.02	41.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.58. 2-H-2-C (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.59	3.08	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,248	6,248	0.25	0.05	—	6,269
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.56	6.10	0.01	0.02	—	0.02	0.02	—	0.02	—	1,034	1,034	0.04	0.01	—	1,038
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.07	0.07	0.04	0.81	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	229	229	< 0.005	< 0.005	0.46	230
Vendor	0.03	0.01	0.37	0.20	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	333	333	0.02	0.05	0.44	349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.05	0.69	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	212	212	< 0.005	< 0.005	0.01	213
Vendor	0.03	0.01	0.39	0.20	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	334	334	0.02	0.05	0.01	349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.49	0.00	0.00	0.72	0.72	0.00	0.18	0.18	—	154	154	< 0.005	< 0.005	0.14	154
Vendor	0.02	0.01	0.28	0.14	< 0.005	< 0.005	0.27	0.27	< 0.005	0.07	0.07	—	239	239	0.01	0.04	0.14	250
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	25.4	25.4	< 0.005	< 0.005	0.02	25.6
Vendor	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	39.6	39.6	< 0.005	0.01	0.02	41.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.59. 2-H-2-C (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.57	4.65	45.7	62.9	0.13	0.89	—	0.89	0.82	—	0.82	—	13,473	13,473	0.55	0.11	—	13,519

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.57	4.65	45.7	62.9	0.13	0.89	—	0.89	0.82	—	0.82	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.66	1.38	13.6	18.7	0.04	0.27	—	0.27	0.24	—	0.24	—	4,008	4,008	0.16	0.03	—	4,021
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	0.25	2.48	3.42	0.01	0.05	—	0.05	0.04	—	0.04	—	663	663	0.03	0.01	—	666
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.78	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	226	226	< 0.005	< 0.005	0.40	227
Vendor	0.03	0.01	0.36	0.19	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	322	322	0.02	0.05	0.37	337
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.06	0.06	0.05	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	210	210	< 0.005	< 0.005	0.01	210
Vendor	0.02	0.01	0.38	0.19	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	322	322	0.02	0.05	0.01	337
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	63.0	63.0	< 0.005	< 0.005	0.05	63.3
Vendor	0.01	< 0.005	0.11	0.06	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	95.8	95.8	< 0.005	0.01	0.05	100
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.4	10.4	< 0.005	< 0.005	0.01	10.5
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	15.9	15.9	< 0.005	< 0.005	0.01	16.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.60. 2-H-2-C (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.25	1.28	13.9	0.02	0.05	—	0.05	0.05	—	0.05	—	2,595	2,595	0.11	0.02	—	2,604
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.23	2.53	< 0.005	0.01	—	0.01	0.01	—	0.01	—	430	430	0.02	< 0.005	—	431
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.78	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	226	226	< 0.005	< 0.005	0.40	227
Vendor	0.03	0.01	0.36	0.19	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	322	322	0.02	0.05	0.37	337
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	210	210	< 0.005	< 0.005	0.01	210
Vendor	0.02	0.01	0.38	0.19	< 0.005	< 0.005	0.38	0.39	< 0.005	0.10	0.10	—	322	322	0.02	0.05	0.01	337
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	63.0	63.0	< 0.005	< 0.005	0.05	63.3
Vendor	0.01	< 0.005	0.11	0.06	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	95.8	95.8	< 0.005	0.01	0.05	100
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.4	10.4	< 0.005	< 0.005	0.01	10.5
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	15.9	15.9	< 0.005	< 0.005	0.01	16.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.61. 2-P (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.40	2.02	18.1	31.1	0.04	0.78	—	0.78	0.72	—	0.72	—	4,744	4,744	0.19	0.04	—	4,760
Architectural Coatings	1.63	1.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	2.40	2.02	18.1	31.1	0.04	0.78	—	0.78	0.72	—	0.72	—	4,744	4,744	0.19	0.04	—	4,760
Architectural Coatings	1.63	1.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.49	4.42	7.58	0.01	0.19	—	0.19	0.17	—	0.17	—	1,157	1,157	0.05	0.01	—	1,161
Architectural Coatings	0.40	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.81	1.38	< 0.005	0.03	—	0.03	0.03	—	0.03	—	191	191	0.01	< 0.005	—	192
Architectural Coatings	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.04	0.94	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	267	267	< 0.005	< 0.005	0.53	269
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.05	0.80	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	248	248	< 0.005	< 0.005	0.01	248
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	61.0	61.0	< 0.005	< 0.005	0.06	61.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.1	10.1	< 0.005	< 0.005	0.01	10.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.62. 2-P (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.46	0.46	3.52	33.2	0.04	0.09	—	0.09	0.09	—	0.09	—	4,744	4,744	0.19	0.04	—	4,760
Architectural Coatings	1.63	1.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.46	3.52	33.2	0.04	0.09	—	0.09	0.09	—	0.09	—	4,744	4,744	0.19	0.04	—	4,760
Architectural Coatings	1.63	1.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.86	8.09	0.01	0.02	—	0.02	0.02	—	0.02	—	1,157	1,157	0.05	0.01	—	1,161
Architectural Coatings	0.40	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	1.48	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	191	191	0.01	< 0.005	—	192
Architectural Coatings	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.04	0.94	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	267	267	< 0.005	< 0.005	0.53	269
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.05	0.80	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	248	248	< 0.005	< 0.005	0.01	248
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	61.0	61.0	< 0.005	< 0.005	0.06	61.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.1	10.1	< 0.005	< 0.005	0.01	10.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.63. 2-E-1 (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.22	1.02	16.6	18.7	0.03	0.11	—	0.11	0.10	—	0.10	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	21.1	21.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	1.00	1.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	202	202	0.01	< 0.005	—	202
Architectural Coatings	1.28	1.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.01	0.18	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	33.4	33.4	< 0.005	< 0.005	—	33.5
Architectural Coatings	0.23	0.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.08	1.15	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	354	354	0.01	< 0.005	0.02	355
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	21.7	21.7	< 0.005	< 0.005	0.02	21.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.59	3.59	< 0.005	< 0.005	< 0.005	3.61
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.64. 2-E-1 (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	9.33	9.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.57	0.57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.10	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.08	1.15	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	354	354	0.01	< 0.005	0.02	355
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	21.7	21.7	< 0.005	< 0.005	0.02	21.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.59	3.59	< 0.005	< 0.005	< 0.005	3.61
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.65. 2-E-1 (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.21	1.01	16.5	18.7	0.03	0.11	—	0.11	0.10	—	0.10	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	21.1	21.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.21	1.01	16.5	18.7	0.03	0.11	—	0.11	0.10	—	0.10	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	21.1	21.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	0.36	5.89	6.65	0.01	0.04	—	0.04	0.03	—	0.03	—	1,184	1,184	0.05	0.01	—	1,188
Architectural Coatings	7.51	7.51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.08	0.07	1.07	1.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	196	196	0.01	< 0.005	—	197
Architectural Coatings	1.37	1.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.06	1.30	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	377	377	< 0.005	< 0.005	0.66	379
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.08	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	349	349	0.01	< 0.005	0.02	350
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.39	0.00	0.00	0.59	0.59	0.00	0.15	0.15	—	126	126	< 0.005	< 0.005	0.10	126
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	20.8	20.8	< 0.005	< 0.005	0.02	20.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.66. 2-E-1 (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	9.33	9.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	9.33	9.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Architect Coatings	3.32	3.32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.61	0.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.06	1.30	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	377	377	< 0.005	< 0.005	0.66	379
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.08	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	349	349	0.01	< 0.005	0.02	350
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.39	0.00	0.00	0.59	0.59	0.00	0.15	0.15	—	126	126	< 0.005	< 0.005	0.10	126
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	20.8	20.8	< 0.005	< 0.005	0.02	20.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.67. 2-E-2 (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.21	1.01	16.5	18.7	0.03	0.11	—	0.11	0.10	—	0.10	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	21.1	21.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.21	1.01	16.5	18.7	0.03	0.11	—	0.11	0.10	—	0.10	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	21.1	21.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.42	6.93	7.83	0.01	0.04	—	0.04	0.04	—	0.04	—	1,393	1,393	0.06	0.01	—	1,398
Architectural Coatings	8.84	8.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	1.26	1.43	< 0.005	0.01	—	0.01	0.01	—	0.01	—	231	231	0.01	< 0.005	—	231
Architectural Coatings	1.61	1.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.06	1.30	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	377	377	< 0.005	< 0.005	0.66	379
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.08	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	349	349	0.01	< 0.005	0.02	350
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.46	0.00	0.00	0.70	0.70	0.00	0.17	0.17	—	148	148	< 0.005	< 0.005	0.12	149
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	24.5	24.5	< 0.005	< 0.005	0.02	24.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.68. 2-E-2 (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	9.33	9.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	9.33	9.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	3.91	3.91	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.71	0.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.06	1.30	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	377	377	< 0.005	< 0.005	0.66	379

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.08	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	349	349	0.01	< 0.005	0.02	350
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.46	0.00	0.00	0.70	0.70	0.00	0.17	0.17	—	148	148	< 0.005	< 0.005	0.12	149
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	24.5	24.5	< 0.005	< 0.005	0.02	24.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.69. 2-G (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.21	1.01	16.5	18.7	0.03	0.11	—	0.11	0.10	—	0.10	—	3,323	3,323	0.13	0.03	—	3,335

Architectural Coatings	5.96	5.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.21	1.01	16.5	18.7	0.03	0.11	—	0.11	0.10	—	0.10	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	5.96	5.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	0.48	7.93	8.96	0.02	0.05	—	0.05	0.05	—	0.05	—	1,593	1,593	0.06	0.01	—	1,599
Architectural Coatings	2.86	2.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	1.45	1.63	< 0.005	0.01	—	0.01	0.01	—	0.01	—	264	264	0.01	< 0.005	—	265

Architectural Coating	0.52	0.52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.06	1.30	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	377	377	< 0.005	< 0.005	0.66	379
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.08	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	349	349	0.01	< 0.005	0.02	350
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.52	0.00	0.00	0.80	0.80	0.00	0.20	0.20	—	169	169	< 0.005	< 0.005	0.14	170
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	28.0	28.0	< 0.005	< 0.005	0.02	28.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.70. 2-G (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	2.65	2.65	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	2.65	2.65	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	1.27	1.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.23	0.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.06	1.30	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	377	377	< 0.005	< 0.005	0.66	379
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.08	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	349	349	0.01	< 0.005	0.02	350
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.52	0.00	0.00	0.80	0.80	0.00	0.20	0.20	—	169	169	< 0.005	< 0.005	0.14	170
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	28.0	28.0	< 0.005	< 0.005	0.02	28.1

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.71. 2-I (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.86	0.72	10.8	12.5	0.02	0.07	—	0.07	0.07	—	0.07	—	2,143	2,143	0.09	0.02	—	2,150
Architectural Coatings	4.20	4.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.86	0.72	10.8	12.5	0.02	0.07	—	0.07	0.07	—	0.07	—	2,143	2,143	0.09	0.02	—	2,150
Architectural Coatings	4.20	4.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.21	0.17	2.57	2.98	0.01	0.02	—	0.02	0.02	—	0.02	—	511	511	0.02	< 0.005	—	512
Architectural Coatings	1.00	1.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.47	0.54	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	84.5	84.5	< 0.005	< 0.005	—	84.8
Architectural Coatings	0.18	0.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.06	1.30	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	377	377	< 0.005	< 0.005	0.66	379
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.08	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	349	349	0.01	< 0.005	0.02	350
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.26	0.00	0.00	0.40	0.40	0.00	0.10	0.10	—	84.2	84.2	< 0.005	< 0.005	0.07	84.5

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	13.9	13.9	< 0.005	< 0.005	0.01	14.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.72. 2-I (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	1.87	1.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Architectural Coatings	1.87	1.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.44	0.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.08	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.06	1.30	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	377	377	< 0.005	< 0.005	0.66	379
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.08	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	349	349	0.01	< 0.005	0.02	350
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.26	0.00	0.00	0.40	0.40	0.00	0.10	0.10	—	84.2	84.2	< 0.005	< 0.005	0.07	84.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	13.9	13.9	< 0.005	< 0.005	0.01	14.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.73. 2-D-1-B (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.91	2.42	20.5	20.1	0.04	0.70	—	0.70	0.65	—	0.65	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	0.44	3.71	3.63	0.01	0.13	—	0.13	0.12	—	0.12	—	627	627	0.03	0.01	—	629
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.68	0.66	< 0.005	0.02	—	0.02	0.02	—	0.02	—	104	104	< 0.005	< 0.005	—	104
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.51	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	145	145	< 0.005	0.01	0.01	147
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	26.6	26.6	< 0.005	< 0.005	0.03	26.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.40	4.40	< 0.005	< 0.005	0.01	4.42
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.74. 2-D-1-B (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.39	2.00	17.2	20.4	0.04	0.60	—	0.60	0.55	—	0.55	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	0.36	3.11	3.70	0.01	0.11	—	0.11	0.10	—	0.10	—	627	627	0.03	0.01	—	629
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.57	0.67	< 0.005	0.02	—	0.02	0.02	—	0.02	—	104	104	< 0.005	< 0.005	—	104
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.51	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	145	145	< 0.005	0.01	0.01	147
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	26.6	26.6	< 0.005	< 0.005	0.03	26.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.40	4.40	< 0.005	< 0.005	0.01	4.42
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.75. 2-D-2-B (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.88	2.39	20.4	20.1	0.04	0.68	—	0.68	0.63	—	0.63	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.88	2.39	20.4	20.1	0.04	0.68	—	0.68	0.63	—	0.63	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	0.41	3.52	3.46	0.01	0.12	—	0.12	0.11	—	0.11	—	599	599	0.02	< 0.005	—	601
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.64	0.63	< 0.005	0.02	—	0.02	0.02	—	0.02	—	99.1	99.1	< 0.005	< 0.005	—	99.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.57	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	155	155	< 0.005	< 0.005	0.35	156
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.49	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	143	143	< 0.005	< 0.005	0.01	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	25.0	25.0	< 0.005	< 0.005	0.03	25.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.15	4.15	< 0.005	< 0.005	< 0.005	4.16
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.76. 2-D-2-B (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.39	2.00	17.2	20.4	0.04	0.60	—	0.60	0.55	—	0.55	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.39	2.00	17.2	20.4	0.04	0.60	—	0.60	0.55	—	0.55	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.41	0.35	2.96	3.53	0.01	0.10	—	0.10	0.09	—	0.09	—	599	599	0.02	< 0.005	—	601
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.54	0.64	< 0.005	0.02	—	0.02	0.02	—	0.02	—	99.1	99.1	< 0.005	< 0.005	—	99.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.57	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	155	155	< 0.005	< 0.005	0.35	156
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.49	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	143	143	< 0.005	< 0.005	0.01	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	25.0	25.0	< 0.005	< 0.005	0.03	25.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.15	4.15	< 0.005	< 0.005	< 0.005	4.16
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.77. 2-F-1-B (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.88	2.39	20.4	20.1	0.04	0.68	—	0.68	0.63	—	0.63	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.88	2.39	20.4	20.1	0.04	0.68	—	0.68	0.63	—	0.63	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	0.41	3.52	3.46	0.01	0.12	—	0.12	0.11	—	0.11	—	599	599	0.02	< 0.005	—	601
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.09	0.08	0.64	0.63	< 0.005	0.02	—	0.02	0.02	—	0.02	—	99.1	99.1	< 0.005	< 0.005	—	99.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.57	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	155	155	< 0.005	< 0.005	0.35	156
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.49	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	143	143	< 0.005	< 0.005	0.01	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	25.0	25.0	< 0.005	< 0.005	0.03	25.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.15	4.15	< 0.005	< 0.005	< 0.005	4.16
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.78. 2-F-1-B (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.39	2.00	17.2	20.4	0.04	0.60	—	0.60	0.55	—	0.55	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.39	2.00	17.2	20.4	0.04	0.60	—	0.60	0.55	—	0.55	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	0.35	2.96	3.53	0.01	0.10	—	0.10	0.09	—	0.09	—	599	599	0.02	< 0.005	—	601
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.54	0.64	< 0.005	0.02	—	0.02	0.02	—	0.02	—	99.1	99.1	< 0.005	< 0.005	—	99.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.57	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	155	155	< 0.005	< 0.005	0.35	156
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.49	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	143	143	< 0.005	< 0.005	0.01	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	25.0	25.0	< 0.005	< 0.005	0.03	25.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.15	4.15	< 0.005	< 0.005	< 0.005	4.16
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.79. 2-H-1-B (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	2.88	2.39	20.4	20.1	0.04	0.68	—	0.68	0.63	—	0.63	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.43	3.63	3.57	0.01	0.12	—	0.12	0.11	—	0.11	—	618	618	0.03	0.01	—	620
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.66	0.65	< 0.005	0.02	—	0.02	0.02	—	0.02	—	102	102	< 0.005	< 0.005	—	103
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.28	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	77.4	77.4	< 0.005	< 0.005	0.17	77.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	12.9	12.9	< 0.005	< 0.005	0.01	13.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.14	2.14	< 0.005	< 0.005	< 0.005	2.15
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.80. 2-H-1-B (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.39	2.00	17.2	20.4	0.04	0.60	—	0.60	0.55	—	0.55	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	0.36	3.06	3.64	0.01	0.11	—	0.11	0.10	—	0.10	—	618	618	0.03	0.01	—	620
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipmer	0.08 t	0.07	0.56	0.66	< 0.005	0.02	—	0.02	0.02	—	0.02	—	102	102	< 0.005	< 0.005	—	103
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.28	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	77.4	77.4	< 0.005	< 0.005	0.17	77.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	12.9	12.9	< 0.005	< 0.005	0.01	13.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.14	2.14	< 0.005	< 0.005	< 0.005	2.15
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.81. 2-H-2-B (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.88	2.39	20.4	20.1	0.04	0.68	—	0.68	0.63	—	0.63	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.43	3.63	3.57	0.01	0.12	—	0.12	0.11	—	0.11	—	618	618	0.03	0.01	—	620
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.66	0.65	< 0.005	0.02	—	0.02	0.02	—	0.02	—	102	102	< 0.005	< 0.005	—	103
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.28	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	77.4	77.4	< 0.005	< 0.005	0.17	77.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	12.9	12.9	< 0.005	< 0.005	0.01	13.0

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.14	2.14	< 0.005	< 0.005	< 0.005	2.15
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.82. 2-H-2-B (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.39	2.00	17.2	20.4	0.04	0.60	—	0.60	0.55	—	0.55	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	0.36	3.06	3.64	0.01	0.11	—	0.11	0.10	—	0.10	—	618	618	0.03	0.01	—	620
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.08	0.07	0.56	0.66	< 0.005	0.02	—	0.02	0.02	—	0.02	—	102	102	< 0.005	< 0.005	—	103
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.28	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	77.4	77.4	< 0.005	< 0.005	0.17	77.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	12.9	12.9	< 0.005	< 0.005	0.01	13.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.14	2.14	< 0.005	< 0.005	< 0.005	2.15
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.83. 2-J (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.26	1.90	16.8	27.1	0.04	0.75	—	0.75	0.69	—	0.69	—	4,113	4,113	0.17	0.03	—	4,127
Demolition	—	—	—	—	—	—	1.48	1.48	—	0.22	0.22	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.34	2.99	4.83	0.01	0.13	—	0.13	0.12	—	0.12	—	732	732	0.03	0.01	—	735
Demolition	—	—	—	—	—	—	0.26	0.26	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.55	0.88	< 0.005	0.02	—	0.02	0.02	—	0.02	—	121	121	< 0.005	< 0.005	—	122
Demolition	—	—	—	—	—	—	0.05	0.05	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.89	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	235	235	< 0.005	< 0.005	0.59	237
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	0.02	1.54	0.77	0.01	0.02	1.34	1.36	0.02	0.34	0.36	—	1,341	1,341	0.10	0.21	2.16	1,409

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	39.3	39.3	< 0.005	< 0.005	0.05	39.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.28	0.14	< 0.005	< 0.005	0.23	0.24	< 0.005	0.06	0.06	—	239	239	0.02	0.04	0.17	251
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.50	6.50	< 0.005	< 0.005	0.01	6.53
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	39.6	39.6	< 0.005	0.01	0.03	41.5

3.84. 2-J (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Demolition	—	—	—	—	—	—	0.95	0.95	—	0.14	0.14	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.07	0.07	0.57	5.12	0.01	0.01	—	0.01	0.01	—	0.01	—	732	732	0.03	0.01	—	735
Demolition	—	—	—	—	—	—	0.17	0.17	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.93	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	121	121	< 0.005	< 0.005	—	122
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.89	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	235	235	< 0.005	< 0.005	0.59	237
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	0.02	1.54	0.77	0.01	0.02	1.34	1.36	0.02	0.34	0.36	—	1,341	1,341	0.10	0.21	2.16	1,409
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	39.3	39.3	< 0.005	< 0.005	0.05	39.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.28	0.14	< 0.005	< 0.005	0.23	0.24	< 0.005	0.06	0.06	—	239	239	0.02	0.04	0.17	251
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.50	6.50	< 0.005	< 0.005	0.01	6.53
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	39.6	39.6	< 0.005	0.01	0.03	41.5

3.85. 2-K (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.26	1.90	16.8	27.1	0.04	0.75	—	0.75	0.69	—	0.69	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.26	1.90	16.8	27.1	0.04	0.75	—	0.75	0.69	—	0.69	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.68	0.57	5.03	8.11	0.01	0.23	—	0.23	0.21	—	0.21	—	1,231	1,231	0.05	0.01	—	1,236
Dust From Material Movemer	—	—	—	—	—	—	0.95	0.95	—	0.10	0.10	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.92	1.48	< 0.005	0.04	—	0.04	0.04	—	0.04	—	204	204	0.01	< 0.005	—	205
Dust From Material Movemer	—	—	—	—	—	—	0.17	0.17	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.89	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	235	235	< 0.005	< 0.005	0.59	237
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	23.9	23.9	< 0.005	< 0.005	0.04	25.0
Hauling	0.02	< 0.005	0.30	0.15	< 0.005	< 0.005	0.26	0.27	< 0.005	0.07	0.07	—	266	266	0.02	0.04	0.43	279
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.77	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	218	218	< 0.005	0.01	0.02	221
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	23.9	23.9	< 0.005	< 0.005	< 0.005	24.9
Hauling	0.02	< 0.005	0.32	0.15	< 0.005	< 0.005	0.26	0.27	< 0.005	0.07	0.07	—	266	266	0.02	0.04	0.01	279
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	66.0	66.0	< 0.005	< 0.005	0.08	66.3

Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	7.15	7.15	< 0.005	< 0.005	0.01	7.47
Hauling	0.01	< 0.005	0.09	0.05	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	79.6	79.6	0.01	0.01	0.06	83.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.9	10.9	< 0.005	< 0.005	0.01	11.0
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.18	1.18	< 0.005	< 0.005	< 0.005	1.24
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.2	13.2	< 0.005	< 0.005	0.01	13.8

3.86. 2-K (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127

Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.12	0.96	8.60	0.01	0.02	—	0.02	0.02	—	0.02	—	1,231	1,231	0.05	0.01	—	1,236
Dust From Material Movemer	—	—	—	—	—	—	0.37	0.37	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.18	1.57	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	204	204	0.01	< 0.005	—	205
Dust From Material Movemer	—	—	—	—	—	—	0.07	0.07	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.89	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	235	235	< 0.005	< 0.005	0.59	237
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	23.9	23.9	< 0.005	< 0.005	0.04	25.0
Hauling	0.02	< 0.005	0.30	0.15	< 0.005	< 0.005	0.26	0.27	< 0.005	0.07	0.07	—	266	266	0.02	0.04	0.43	279

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.77	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	218	218	< 0.005	0.01	0.02	221
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	23.9	23.9	< 0.005	< 0.005	< 0.005	24.9
Hauling	0.02	< 0.005	0.32	0.15	< 0.005	< 0.005	0.26	0.27	< 0.005	0.07	0.07	—	266	266	0.02	0.04	0.01	279
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	66.0	66.0	< 0.005	< 0.005	0.08	66.3
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	7.15	7.15	< 0.005	< 0.005	0.01	7.47
Hauling	0.01	< 0.005	0.09	0.05	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	79.6	79.6	0.01	0.01	0.06	83.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.9	10.9	< 0.005	< 0.005	0.01	11.0
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.18	1.18	< 0.005	< 0.005	< 0.005	1.24
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.2	13.2	< 0.005	< 0.005	0.01	13.8

3.87. 2-K (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.20	1.85	16.3	27.0	0.04	0.72	—	0.72	0.67	—	0.67	—	4,113	4,113	0.17	0.03	—	4,127

Dust From Material Movemer	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.02	1.69	< 0.005	0.05	—	0.05	0.04	—	0.04	—	258	258	0.01	< 0.005	—	258
Dust From Material Movemer	—	—	—	—	—	—	0.20	0.20	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.19	0.31	< 0.005	0.01	—	0.01	0.01	—	0.01	—	42.6	42.6	< 0.005	< 0.005	—	42.8
Dust From Material Movemer	—	—	—	—	—	—	0.04	0.04	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.73	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	215	215	< 0.005	< 0.005	0.01	216

Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	23.1	23.1	< 0.005	< 0.005	< 0.005	24.1
Hauling	0.02	< 0.005	0.31	0.15	< 0.005	< 0.005	0.26	0.27	< 0.005	0.07	0.07	—	258	258	0.02	0.04	0.01	271
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.06	0.06	0.00	0.02	0.02	—	13.6	13.6	< 0.005	< 0.005	0.01	13.7
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.44	1.44	< 0.005	< 0.005	< 0.005	1.51
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	16.1	16.1	< 0.005	< 0.005	0.01	17.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.26	2.26	< 0.005	< 0.005	< 0.005	2.27
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.24	0.24	< 0.005	< 0.005	< 0.005	0.25
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.67	2.67	< 0.005	< 0.005	< 0.005	2.81

3.88. 2-K (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.20	1.80	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	258	258	0.01	< 0.005	—	258
Dust From Material Movemer	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.33	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	42.6	42.6	< 0.005	< 0.005	—	42.8
Dust From Material Movemer	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.73	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	215	215	< 0.005	< 0.005	0.01	216
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	23.1	23.1	< 0.005	< 0.005	< 0.005	24.1
Hauling	0.02	< 0.005	0.31	0.15	< 0.005	< 0.005	0.26	0.27	< 0.005	0.07	0.07	—	258	258	0.02	0.04	0.01	271
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.06	0.06	0.00	0.02	0.02	—	13.6	13.6	< 0.005	< 0.005	0.01	13.7

Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.44	1.44	< 0.005	< 0.005	< 0.005	1.51
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	16.1	16.1	< 0.005	< 0.005	0.01	17.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.26	2.26	< 0.005	< 0.005	< 0.005	2.27
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.24	0.24	< 0.005	< 0.005	< 0.005	0.25
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.67	2.67	< 0.005	< 0.005	< 0.005	2.81

3.89. 2-L (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.20	1.85	16.3	27.0	0.04	0.72	—	0.72	0.67	—	0.67	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.19	3.19	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.20	1.85	16.3	27.0	0.04	0.72	—	0.72	0.67	—	0.67	—	4,113	4,113	0.17	0.03	—	4,127

Dust From Material Movemer	—	—	—	—	—	—	3.19	3.19	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.66	5.80	9.63	0.01	0.26	—	0.26	0.24	—	0.24	—	1,465	1,465	0.06	0.01	—	1,470
Dust From Material Movemer	—	—	—	—	—	—	1.13	1.13	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.06	1.76	< 0.005	0.05	—	0.05	0.04	—	0.04	—	243	243	0.01	< 0.005	—	243
Dust From Material Movemer	—	—	—	—	—	—	0.21	0.21	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.85	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	232	232	< 0.005	< 0.005	0.52	233
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.01	0.86	0.43	0.01	0.01	0.77	0.78	0.01	0.20	0.21	—	748	748	0.05	0.12	1.12	787

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.73	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	215	215	< 0.005	< 0.005	0.01	216
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.01	0.91	0.43	0.01	0.01	0.77	0.78	0.01	0.20	0.21	—	749	749	0.05	0.12	0.03	786
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.26	0.00	0.00	0.36	0.36	0.00	0.09	0.09	—	77.5	77.5	< 0.005	< 0.005	0.08	77.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.32	0.15	< 0.005	< 0.005	0.27	0.27	< 0.005	0.07	0.07	—	267	267	0.02	0.04	0.17	280
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	12.8	12.8	< 0.005	< 0.005	0.01	12.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	44.1	44.1	< 0.005	0.01	0.03	46.4

3.90. 2-L (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.14	1.14	10.2	0.01	0.03	—	0.03	0.03	—	0.03	—	1,465	1,465	0.06	0.01	—	1,470
Dust From Material Movemer	—	—	—	—	—	—	0.44	0.44	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.21	1.87	< 0.005	0.01	—	0.01	0.01	—	0.01	—	243	243	0.01	< 0.005	—	243
Dust From Material Movemer	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.85	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	232	232	< 0.005	< 0.005	0.52	233
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.01	0.86	0.43	0.01	0.01	0.77	0.78	0.01	0.20	0.21	—	748	748	0.05	0.12	1.12	787
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.73	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	215	215	< 0.005	< 0.005	0.01	216
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.01	0.91	0.43	0.01	0.01	0.77	0.78	0.01	0.20	0.21	—	749	749	0.05	0.12	0.03	786
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.26	0.00	0.00	0.36	0.36	0.00	0.09	0.09	—	77.5	77.5	< 0.005	< 0.005	0.08	77.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.32	0.15	< 0.005	< 0.005	0.27	0.27	< 0.005	0.07	0.07	—	267	267	0.02	0.04	0.17	280
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	12.8	12.8	< 0.005	< 0.005	0.01	12.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	44.1	44.1	< 0.005	0.01	0.03	46.4

3.91. 2-M (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	2.48	2.08	18.8	31.1	0.04	0.82	—	0.82	0.76	—	0.76	—	4,744	4,744	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.48	2.08	18.8	31.1	0.04	0.82	—	0.82	0.76	—	0.76	—	4,744	4,744	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.50	4.48	7.42	0.01	0.20	—	0.20	0.18	—	0.18	—	1,131	1,131	0.05	0.01	—	1,135
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.82	1.35	< 0.005	0.04	—	0.04	0.03	—	0.03	—	187	187	0.01	< 0.005	—	188
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.05	1.00	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	271	271	< 0.005	< 0.005	0.61	272
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.06	0.85	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	251	251	0.01	< 0.005	0.02	252
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.20	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	60.5	60.5	< 0.005	< 0.005	0.06	60.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.0	10.0	< 0.005	< 0.005	0.01	10.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.92. 2-M (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.46	3.52	33.2	0.04	0.09	—	0.09	0.09	—	0.09	—	4,744	4,744	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.46	0.46	3.52	33.2	0.04	0.09	—	0.09	0.09	—	0.09	—	4,744	4,744	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.84	7.91	0.01	0.02	—	0.02	0.02	—	0.02	—	1,131	1,131	0.05	0.01	—	1,135
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	1.44	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	187	187	0.01	< 0.005	—	188
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.05	1.00	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	271	271	< 0.005	< 0.005	0.61	272
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.06	0.85	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	251	251	0.01	< 0.005	0.02	252
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02	0.02	0.01	0.20	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	60.5	60.5	< 0.005	< 0.005	0.06	60.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.0	10.0	< 0.005	< 0.005	0.01	10.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
2-C	Demolition	6/1/2030	9/1/2030	5.00	65.0	—
2-A	Site Preparation	6/1/2030	9/1/2030	5.00	65.0	—
2-O	Site Preparation	2/1/2032	6/1/2032	5.00	87.0	—
2-B	Grading	9/1/2030	6/1/2031	5.00	195	—
2-N	Grading	12/1/2031	2/1/2032	5.00	45.0	—
2-D-1-A	Building Construction	10/1/2030	12/31/2030	5.00	66.0	—
2-D-1-C	Building Construction	1/1/2031	12/1/2032	5.00	501	—
2-D-2-A	Building Construction	2/1/2031	4/30/2031	5.00	63.0	—
2-D-2-C	Building Construction	5/1/2031	4/1/2033	5.00	502	—
2-Q	Building Construction	6/1/2030	12/1/2033	5.00	914	—
2-F-1-A	Building Construction	2/1/2031	4/30/2031	5.00	63.0	—
2-F-1-C	Building Construction	5/1/2031	6/1/2033	5.00	545	—
2-H-1-A	Building Construction	6/1/2031	8/31/2031	5.00	65.0	—
2-H-1-C	Building Construction	9/1/2031	6/1/2033	5.00	458	—
2-H-2-A	Building Construction	6/1/2031	8/31/2031	5.00	65.0	—
2-H-2-C	Building Construction	9/1/2031	6/1/2033	5.00	458	—

2-P	Paving	6/1/2032	10/1/2032	5.00	89.0	—
2-E-1	Architectural Coating	12/1/2032	7/1/2033	5.00	153	—
2-E-2	Architectural Coating	4/1/2033	11/1/2033	5.00	153	—
2-G	Architectural Coating	4/1/2033	12/1/2033	5.00	175	—
2-I	Architectural Coating	2/1/2033	6/1/2033	5.00	87.0	—
2-D-1-B	Trenching	10/1/2030	12/31/2030	5.00	66.0	—
2-D-2-B	Trenching	2/1/2031	4/30/2031	5.00	63.0	—
2-F-1-B	Trenching	2/1/2031	4/30/2031	5.00	63.0	—
2-H-1-B	Trenching	6/1/2031	8/31/2031	5.00	65.0	—
2-H-2-B	Trenching	6/1/2031	8/31/2031	5.00	65.0	—
2-J	Linear, Grubbing & Land Clearing	6/1/2030	9/1/2030	5.00	65.0	—
2-K	Linear, Grading & Excavation	8/1/2030	2/1/2031	5.00	132	—
2-L	Linear, Drainage, Utilities, & Sub-Grade	2/1/2031	8/1/2031	5.00	130	—
2-M	Linear, Paving	8/1/2031	12/1/2031	5.00	87.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
2-C	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
2-C	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
2-C	Concrete/Industrial Saws	Diesel	Average	4.00	4.00	33.0	0.73
2-C	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
2-A	Excavators	Diesel	Average	8.00	8.00	36.0	0.38
2-A	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43

2-O	Tractors/Loaders/Back	Diesel	Average	2.00	8.00	84.0	0.37
2-O	Graders	Diesel	Average	2.00	8.00	148	0.41
2-O	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
2-O	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
2-O	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
2-B	Excavators	Diesel	Average	8.00	8.00	36.0	0.38
2-B	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
2-N	Graders	Diesel	Average	2.00	8.00	148	0.41
2-N	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
2-N	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
2-N	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
2-N	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
2-D-1-C	Cranes	Diesel	Average	7.00	8.00	367	0.29
2-D-1-C	Welders	Diesel	Average	12.0	8.00	46.0	0.45
2-D-1-C	Aerial Lifts	Diesel	Average	18.0	6.00	46.0	0.31
2-D-1-C	Air Compressors	Diesel	Average	6.00	2.00	37.0	0.48
2-D-1-C	Rough Terrain Forklifts	Diesel	Average	10.0	4.00	96.0	0.40
2-D-2-C	Cranes	Diesel	Average	7.00	8.00	367	0.29
2-D-2-C	Welders	Diesel	Average	12.0	8.00	46.0	0.45
2-D-2-C	Aerial Lifts	Diesel	Average	18.0	6.00	46.0	0.31
2-D-2-C	Air Compressors	Diesel	Average	6.00	2.00	37.0	0.48
2-D-2-C	Rough Terrain Forklifts	Diesel	Average	10.0	4.00	96.0	0.40
2-F-1-C	Cranes	Diesel	Average	7.00	8.00	367	0.29
2-F-1-C	Aerial Lifts	Diesel	Average	18.0	6.00	46.0	0.31
2-F-1-C	Welders	Diesel	Average	12.0	8.00	46.0	0.45
2-F-1-C	Air Compressors	Diesel	Average	6.00	2.00	37.0	0.48
2-F-1-C	Rough Terrain Forklifts	Diesel	Average	10.0	4.00	96.0	0.40
2-H-1-C	Cranes	Diesel	Average	7.00	8.00	367	0.29

2-H-1-C	Aerial Lifts	Diesel	Average	18.0	6.00	46.0	0.31
2-H-1-C	Welders	Diesel	Average	12.0	8.00	46.0	0.45
2-H-1-C	Air Compressors	Diesel	Average	6.00	2.00	37.0	0.48
2-H-1-C	Rough Terrain Forklifts	Diesel	Average	10.0	4.00	96.0	0.40
2-H-2-C	Cranes	Diesel	Average	7.00	8.00	367	0.29
2-H-2-C	Aerial Lifts	Diesel	Average	18.0	6.00	46.0	0.31
2-H-2-C	Welders	Diesel	Average	12.0	8.00	46.0	0.45
2-H-2-C	Air Compressors	Diesel	Average	6.00	2.00	37.0	0.48
2-H-2-C	Rough Terrain Forklifts	Diesel	Average	10.0	4.00	96.0	0.40
2-P	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
2-P	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
2-P	Graders	Diesel	Average	2.00	8.00	148	0.41
2-P	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
2-P	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
2-P	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
2-E-1	Air Compressors	Diesel	Average	5.00	4.00	37.0	0.48
2-E-1	Aerial Lifts	Diesel	Average	13.0	12.0	46.0	0.31
2-E-2	Air Compressors	Diesel	Average	5.00	4.00	37.0	0.48
2-E-2	Aerial Lifts	Diesel	Average	13.0	12.0	46.0	0.31
2-G	Air Compressors	Diesel	Average	5.00	4.00	37.0	0.48
2-G	Aerial Lifts	Diesel	Average	13.0	12.0	46.0	0.31
2-I	Air Compressors	Diesel	Average	5.00	4.00	37.0	0.48
2-I	Aerial Lifts	Diesel	Average	23.0	4.00	46.0	0.31
2-D-1-B	Tractors/Loaders/Back hoes	Diesel	Average	6.00	5.00	84.0	0.37
2-D-1-B	Excavators	Diesel	Average	6.00	4.00	36.0	0.38
2-D-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
2-D-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43

2-D-2-B	Tractors/Loaders/Back	Diesel	Average	6.00	5.00	84.0	0.37
2-D-2-B	Excavators	Diesel	Average	6.00	4.00	36.0	0.38
2-D-2-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
2-D-2-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
2-F-1-B	Tractors/Loaders/Back hoes	Diesel	Average	6.00	5.00	84.0	0.37
2-F-1-B	Excavators	Diesel	Average	6.00	4.00	36.0	0.38
2-F-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
2-F-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
2-H-1-B	Tractors/Loaders/Back hoes	Diesel	Average	6.00	5.00	84.0	0.37
2-H-1-B	Excavators	Diesel	Average	6.00	4.00	36.0	0.38
2-H-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
2-H-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
2-H-2-B	Tractors/Loaders/Back hoes	Diesel	Average	6.00	5.00	84.0	0.37
2-H-2-B	Excavators	Diesel	Average	6.00	4.00	36.0	0.38
2-H-2-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
2-H-2-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
2-J	Graders	Diesel	Average	2.00	8.00	148	0.41
2-J	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
2-J	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
2-J	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
2-J	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
2-K	Graders	Diesel	Average	2.00	8.00	148	0.41
2-K	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
2-K	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
2-K	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43

2-K	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
2-L	Graders	Diesel	Average	2.00	8.00	148	0.41
2-L	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
2-L	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
2-L	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
2-L	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
2-M	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
2-M	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
2-M	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
2-M	Graders	Diesel	Average	2.00	8.00	148	0.41
2-M	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
2-M	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
2-C	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
2-C	Excavators	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
2-C	Concrete/Industrial Saws	Diesel	Tier 4 Final	4.00	4.00	33.0	0.73
2-C	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
2-A	Excavators	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
2-A	Excavators	Electric	Average	4.00	8.00	36.0	0.38
2-A	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
2-O	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
2-O	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
2-O	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38

2-O	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
2-O	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
2-B	Excavators	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
2-B	Excavators	Electric	Average	4.00	8.00	36.0	0.38
2-B	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
2-N	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
2-N	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
2-N	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
2-N	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
2-N	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
2-D-1-C	Cranes	Diesel	Tier 4 Final	7.00	8.00	367	0.29
2-D-1-C	Welders	Electric	Average	12.0	8.00	46.0	0.45
2-D-1-C	Aerial Lifts	Electric	Average	18.0	6.00	46.0	0.31
2-D-1-C	Air Compressors	Electric	Average	6.00	2.00	37.0	0.48
2-D-1-C	Rough Terrain Forklifts	Diesel	Tier 4 Final	10.0	4.00	96.0	0.40
2-D-2-C	Cranes	Diesel	Tier 4 Final	7.00	8.00	367	0.29
2-D-2-C	Welders	Electric	Average	12.0	8.00	46.0	0.45
2-D-2-C	Aerial Lifts	Electric	Average	18.0	6.00	46.0	0.31
2-D-2-C	Air Compressors	Electric	Average	6.00	2.00	37.0	0.48
2-D-2-C	Rough Terrain Forklifts	Diesel	Tier 4 Final	10.0	4.00	96.0	0.40
2-F-1-C	Cranes	Diesel	Tier 4 Final	7.00	8.00	367	0.29
2-F-1-C	Aerial Lifts	Electric	Average	18.0	6.00	46.0	0.31
2-F-1-C	Welders	Electric	Average	12.0	8.00	46.0	0.45
2-F-1-C	Air Compressors	Electric	Average	6.00	2.00	37.0	0.48
2-F-1-C	Rough Terrain Forklifts	Diesel	Tier 4 Final	10.0	4.00	96.0	0.40
2-H-1-C	Cranes	Diesel	Tier 4 Final	7.00	8.00	367	0.29
2-H-1-C	Aerial Lifts	Electric	Average	18.0	6.00	46.0	0.31
2-H-1-C	Welders	Electric	Average	12.0	8.00	46.0	0.45

2-H-1-C	Air Compressors	Electric	Average	6.00	2.00	37.0	0.48
2-H-1-C	Rough Terrain Forklifts	Diesel	Tier 4 Final	10.0	4.00	96.0	0.40
2-H-2-C	Cranes	Diesel	Tier 4 Final	7.00	8.00	367	0.29
2-H-2-C	Aerial Lifts	Electric	Average	18.0	6.00	46.0	0.31
2-H-2-C	Welders	Electric	Average	12.0	8.00	46.0	0.45
2-H-2-C	Air Compressors	Electric	Average	6.00	2.00	37.0	0.48
2-H-2-C	Rough Terrain Forklifts	Diesel	Tier 4 Final	10.0	4.00	96.0	0.40
2-P	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
2-P	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
2-P	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
2-P	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
2-P	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
2-P	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
2-E-1	Air Compressors	Electric	Average	5.00	4.00	37.0	0.48
2-E-1	Aerial Lifts	Electric	Average	13.0	12.0	46.0	0.31
2-E-2	Air Compressors	Electric	Average	5.00	4.00	37.0	0.48
2-E-2	Aerial Lifts	Electric	Average	13.0	12.0	46.0	0.31
2-G	Air Compressors	Electric	Average	5.00	4.00	37.0	0.48
2-G	Aerial Lifts	Electric	Average	13.0	12.0	46.0	0.31
2-I	Air Compressors	Electric	Average	5.00	4.00	37.0	0.48
2-I	Aerial Lifts	Electric	Average	23.0	4.00	46.0	0.31
2-D-1-B	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	6.00	5.00	84.0	0.37
2-D-1-B	Excavators	Diesel	Tier 4 Final	6.00	4.00	36.0	0.38
2-D-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
2-D-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
2-D-2-B	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	6.00	5.00	84.0	0.37

2-D-2-B	Excavators	Diesel	Tier 4 Final	6.00	4.00	36.0	0.38
2-D-2-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
2-D-2-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
2-F-1-B	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	6.00	5.00	84.0	0.37
2-F-1-B	Excavators	Diesel	Tier 4 Final	6.00	4.00	36.0	0.38
2-F-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
2-F-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
2-H-1-B	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	6.00	5.00	84.0	0.37
2-H-1-B	Excavators	Diesel	Tier 4 Final	6.00	4.00	36.0	0.38
2-H-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
2-H-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
2-H-2-B	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	6.00	5.00	84.0	0.37
2-H-2-B	Excavators	Diesel	Tier 4 Final	6.00	4.00	36.0	0.38
2-H-2-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
2-H-2-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
2-J	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
2-J	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
2-J	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
2-J	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
2-J	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
2-K	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
2-K	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
2-K	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
2-K	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
2-K	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40

2-L	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
2-L	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
2-L	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
2-L	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
2-L	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
2-M	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
2-M	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
2-M	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
2-M	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
2-M	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
2-M	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
2-C	—	—	—	—
2-C	Worker	20.0	11.7	LDA,LDT1,LDT2
2-C	Vendor	0.00	8.40	HHDT,MHDT
2-C	Hauling	50.0	25.0	HHDT
2-C	Onsite truck	0.00	0.00	HHDT
2-A	—	—	—	—
2-A	Worker	30.0	11.7	LDA,LDT1,LDT2
2-A	Vendor	0.00	8.40	HHDT,MHDT
2-A	Hauling	14.0	25.0	HHDT
2-A	Onsite truck	0.00	0.00	HHDT
2-B	—	—	—	—

2-B	Worker	30.0	11.7	LDA,LDT1,LDT2
2-B	Vendor	0.00	8.40	HHDT,MHDT
2-B	Hauling	14.0	25.0	HHDT
2-B	Onsite truck	0.00	0.00	HHDT
2-D-1-A	—	—	—	—
2-D-1-A	Worker	50.0	11.7	LDA,LDT1,LDT2
2-D-1-A	Vendor	25.0	8.40	HHDT,MHDT
2-D-1-A	Hauling	0.00	20.0	HHDT
2-D-1-A	Onsite truck	0.00	0.00	HHDT
2-E-1	—	—	—	—
2-E-1	Worker	50.0	11.7	LDA,LDT1,LDT2
2-E-1	Vendor	0.00	8.40	HHDT,MHDT
2-E-1	Hauling	0.00	20.0	HHDT
2-E-1	Onsite truck	0.00	0.00	HHDT
2-J	—	—	—	—
2-J	Worker	30.0	11.7	LDA,LDT1,LDT2
2-J	Vendor	0.00	8.40	HHDT,MHDT
2-J	Hauling	17.1	25.0	HHDT
2-J	Onsite truck	0.00	0.00	HHDT
2-K	—	—	—	—
2-K	Worker	30.0	11.7	LDA,LDT1,LDT2
2-K	Vendor	1.00	8.40	HHDT,MHDT
2-K	Hauling	3.39	25.0	HHDT
2-K	Onsite truck	0.00	0.00	HHDT
2-L	—	—	—	—
2-L	Worker	30.0	11.7	LDA,LDT1,LDT2
2-L	Vendor	0.00	8.40	HHDT,MHDT
2-L	Hauling	9.83	25.0	HHDT

2-L	Onsite truck	0.00	0.00	HHDT
2-M	—	—	—	—
2-M	Worker	35.0	11.7	LDA,LDT1,LDT2
2-M	Vendor	0.00	8.40	HHDT,MHDT
2-M	Hauling	0.00	20.0	HHDT
2-M	Onsite truck	0.00	0.00	HHDT
2-O	—	—	—	—
2-O	Worker	30.0	11.7	LDA,LDT1,LDT2
2-O	Vendor	0.00	8.40	HHDT,MHDT
2-O	Hauling	0.00	20.0	HHDT
2-O	Onsite truck	0.00	0.00	HHDT
2-N	—	—	—	—
2-N	Worker	30.0	11.7	LDA,LDT1,LDT2
2-N	Vendor	0.00	8.40	HHDT,MHDT
2-N	Hauling	0.00	20.0	HHDT
2-N	Onsite truck	0.00	0.00	HHDT
2-D-1-C	—	—	—	—
2-D-1-C	Worker	80.0	11.7	LDA,LDT1,LDT2
2-D-1-C	Vendor	25.0	20.0	HHDT,MHDT
2-D-1-C	Hauling	0.00	20.0	HHDT
2-D-1-C	Onsite truck	0.00	0.00	HHDT
2-D-2-A	—	—	—	—
2-D-2-A	Worker	50.0	11.7	LDA,LDT1,LDT2
2-D-2-A	Vendor	25.0	8.40	HHDT,MHDT
2-D-2-A	Hauling	0.00	20.0	HHDT
2-D-2-A	Onsite truck	0.00	0.00	HHDT
2-D-2-C	—	—	—	—
2-D-2-C	Worker	80.0	11.7	LDA,LDT1,LDT2

2-D-2-C	Vendor	25.0	20.0	HHDT,MHDT
2-D-2-C	Hauling	0.00	20.0	HHDT
2-D-2-C	Onsite truck	0.00	0.00	HHDT
2-Q	—	—	—	—
2-Q	Worker	0.00	11.7	LDA,LDT1,LDT2
2-Q	Vendor	0.00	8.40	HHDT,MHDT
2-Q	Hauling	16.0	25.0	HHDT
2-Q	Onsite truck	0.00	0.00	HHDT
2-P	—	—	—	—
2-P	Worker	35.0	11.7	LDA,LDT1,LDT2
2-P	Vendor	0.00	8.40	HHDT,MHDT
2-P	Hauling	0.00	20.0	HHDT
2-P	Onsite truck	0.00	0.00	HHDT
2-E-2	—	—	—	—
2-E-2	Worker	50.0	11.7	LDA,LDT1,LDT2
2-E-2	Vendor	0.00	8.40	HHDT,MHDT
2-E-2	Hauling	0.00	20.0	HHDT
2-E-2	Onsite truck	0.00	0.00	HHDT
2-D-1-B	—	—	—	—
2-D-1-B	Worker	20.0	11.7	LDA,LDT1,LDT2
2-D-1-B	Vendor	0.00	8.40	HHDT,MHDT
2-D-1-B	Hauling	0.00	20.0	HHDT
2-D-1-B	Onsite truck	0.00	0.00	HHDT
2-D-2-B	—	—	—	—
2-D-2-B	Worker	20.0	11.7	LDA,LDT1,LDT2
2-D-2-B	Vendor	0.00	8.40	HHDT,MHDT
2-D-2-B	Hauling	0.00	20.0	HHDT
2-D-2-B	Onsite truck	0.00	0.00	HHDT

2-F-1-A	—	—	—	—
2-F-1-A	Worker	50.0	11.7	LDA,LDT1,LDT2
2-F-1-A	Vendor	25.0	8.40	HHDT,MHDT
2-F-1-A	Hauling	0.00	20.0	HHDT
2-F-1-A	Onsite truck	0.00	0.00	HHDT
2-F-1-C	—	—	—	—
2-F-1-C	Worker	80.0	11.7	LDA,LDT1,LDT2
2-F-1-C	Vendor	25.0	20.0	HHDT,MHDT
2-F-1-C	Hauling	0.00	20.0	HHDT
2-F-1-C	Onsite truck	0.00	0.00	HHDT
2-H-1-A	—	—	—	—
2-H-1-A	Worker	20.0	11.7	LDA,LDT1,LDT2
2-H-1-A	Vendor	15.0	8.40	HHDT,MHDT
2-H-1-A	Hauling	0.00	20.0	HHDT
2-H-1-A	Onsite truck	0.00	0.00	HHDT
2-H-1-C	—	—	—	—
2-H-1-C	Worker	30.0	11.7	LDA,LDT1,LDT2
2-H-1-C	Vendor	15.0	8.40	HHDT,MHDT
2-H-1-C	Hauling	0.00	20.0	HHDT
2-H-1-C	Onsite truck	0.00	0.00	HHDT
2-H-2-A	—	—	—	—
2-H-2-A	Worker	20.0	11.7	LDA,LDT1,LDT2
2-H-2-A	Vendor	15.0	8.40	HHDT,MHDT
2-H-2-A	Hauling	0.00	20.0	HHDT
2-H-2-A	Onsite truck	0.00	0.00	HHDT
2-H-2-C	—	—	—	—
2-H-2-C	Worker	30.0	11.7	LDA,LDT1,LDT2
2-H-2-C	Vendor	15.0	8.40	HHDT,MHDT

2-H-2-C	Hauling	0.00	20.0	HHDT
2-H-2-C	Onsite truck	0.00	0.00	HHDT
2-G	—	—	—	—
2-G	Worker	50.0	11.7	LDA,LDT1,LDT2
2-G	Vendor	0.00	8.40	HHDT,MHDT
2-G	Hauling	0.00	20.0	HHDT
2-G	Onsite truck	0.00	0.00	HHDT
2-I	—	—	—	—
2-I	Worker	50.0	11.7	LDA,LDT1,LDT2
2-I	Vendor	0.00	8.40	HHDT,MHDT
2-I	Hauling	0.00	20.0	HHDT
2-I	Onsite truck	0.00	—	HHDT
2-F-1-B	—	—	—	—
2-F-1-B	Worker	20.0	11.7	LDA,LDT1,LDT2
2-F-1-B	Vendor	0.00	8.40	HHDT,MHDT
2-F-1-B	Hauling	0.00	20.0	HHDT
2-F-1-B	Onsite truck	0.00	0.00	HHDT
2-H-1-B	—	—	—	—
2-H-1-B	Worker	10.0	11.7	LDA,LDT1,LDT2
2-H-1-B	Vendor	0.00	8.40	HHDT,MHDT
2-H-1-B	Hauling	0.00	20.0	HHDT
2-H-1-B	Onsite truck	0.00	0.00	HHDT
2-H-2-B	—	—	—	—
2-H-2-B	Worker	10.0	11.7	LDA,LDT1,LDT2
2-H-2-B	Vendor	0.00	8.40	HHDT,MHDT
2-H-2-B	Hauling	0.00	20.0	HHDT
2-H-2-B	Onsite truck	0.00	0.00	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
2-C	—	—	—	—
2-C	Worker	20.0	11.7	LDA,LDT1,LDT2
2-C	Vendor	0.00	8.40	HHDT,MHDT
2-C	Hauling	50.0	25.0	HHDT
2-C	Onsite truck	0.00	0.00	HHDT
2-A	—	—	—	—
2-A	Worker	30.0	11.7	LDA,LDT1,LDT2
2-A	Vendor	0.00	8.40	HHDT,MHDT
2-A	Hauling	14.0	25.0	HHDT
2-A	Onsite truck	0.00	0.00	HHDT
2-B	—	—	—	—
2-B	Worker	30.0	11.7	LDA,LDT1,LDT2
2-B	Vendor	0.00	8.40	HHDT,MHDT
2-B	Hauling	14.0	25.0	HHDT
2-B	Onsite truck	0.00	0.00	HHDT
2-D-1-A	—	—	—	—
2-D-1-A	Worker	50.0	11.7	LDA,LDT1,LDT2
2-D-1-A	Vendor	25.0	8.40	HHDT,MHDT
2-D-1-A	Hauling	0.00	20.0	HHDT
2-D-1-A	Onsite truck	0.00	0.00	HHDT
2-E-1	—	—	—	—
2-E-1	Worker	50.0	11.7	LDA,LDT1,LDT2
2-E-1	Vendor	0.00	8.40	HHDT,MHDT
2-E-1	Hauling	0.00	20.0	HHDT
2-E-1	Onsite truck	0.00	0.00	HHDT
2-J	—	—	—	—

2-J	Worker	30.0	11.7	LDA,LDT1,LDT2
2-J	Vendor	0.00	8.40	HHDT,MHDT
2-J	Hauling	17.1	25.0	HHDT
2-J	Onsite truck	0.00	0.00	HHDT
2-K	—	—	—	—
2-K	Worker	30.0	11.7	LDA,LDT1,LDT2
2-K	Vendor	1.00	8.40	HHDT,MHDT
2-K	Hauling	3.39	25.0	HHDT
2-K	Onsite truck	0.00	0.00	HHDT
2-L	—	—	—	—
2-L	Worker	30.0	11.7	LDA,LDT1,LDT2
2-L	Vendor	0.00	8.40	HHDT,MHDT
2-L	Hauling	9.83	25.0	HHDT
2-L	Onsite truck	0.00	0.00	HHDT
2-M	—	—	—	—
2-M	Worker	35.0	11.7	LDA,LDT1,LDT2
2-M	Vendor	0.00	8.40	HHDT,MHDT
2-M	Hauling	0.00	20.0	HHDT
2-M	Onsite truck	0.00	0.00	HHDT
2-O	—	—	—	—
2-O	Worker	30.0	11.7	LDA,LDT1,LDT2
2-O	Vendor	0.00	8.40	HHDT,MHDT
2-O	Hauling	0.00	20.0	HHDT
2-O	Onsite truck	0.00	0.00	HHDT
2-N	—	—	—	—
2-N	Worker	30.0	11.7	LDA,LDT1,LDT2
2-N	Vendor	0.00	8.40	HHDT,MHDT
2-N	Hauling	0.00	20.0	HHDT

2-N	Onsite truck	0.00	0.00	HHDT
2-D-1-C	—	—	—	—
2-D-1-C	Worker	80.0	11.7	LDA,LDT1,LDT2
2-D-1-C	Vendor	25.0	20.0	HHDT,MHDT
2-D-1-C	Hauling	0.00	20.0	HHDT
2-D-1-C	Onsite truck	0.00	0.00	HHDT
2-D-2-A	—	—	—	—
2-D-2-A	Worker	50.0	11.7	LDA,LDT1,LDT2
2-D-2-A	Vendor	25.0	8.40	HHDT,MHDT
2-D-2-A	Hauling	0.00	20.0	HHDT
2-D-2-A	Onsite truck	0.00	0.00	HHDT
2-D-2-C	—	—	—	—
2-D-2-C	Worker	80.0	11.7	LDA,LDT1,LDT2
2-D-2-C	Vendor	25.0	20.0	HHDT,MHDT
2-D-2-C	Hauling	0.00	20.0	HHDT
2-D-2-C	Onsite truck	0.00	0.00	HHDT
2-Q	—	—	—	—
2-Q	Worker	0.00	11.7	LDA,LDT1,LDT2
2-Q	Vendor	0.00	8.40	HHDT,MHDT
2-Q	Hauling	16.0	25.0	HHDT
2-Q	Onsite truck	0.00	0.00	HHDT
2-P	—	—	—	—
2-P	Worker	35.0	11.7	LDA,LDT1,LDT2
2-P	Vendor	0.00	8.40	HHDT,MHDT
2-P	Hauling	0.00	20.0	HHDT
2-P	Onsite truck	0.00	0.00	HHDT
2-E-2	—	—	—	—
2-E-2	Worker	50.0	11.7	LDA,LDT1,LDT2

2-E-2	Vendor	0.00	8.40	HHDT,MHDT
2-E-2	Hauling	0.00	20.0	HHDT
2-E-2	Onsite truck	0.00	0.00	HHDT
2-D-1-B	—	—	—	—
2-D-1-B	Worker	20.0	11.7	LDA,LDT1,LDT2
2-D-1-B	Vendor	0.00	8.40	HHDT,MHDT
2-D-1-B	Hauling	0.00	20.0	HHDT
2-D-1-B	Onsite truck	0.00	0.00	HHDT
2-D-2-B	—	—	—	—
2-D-2-B	Worker	20.0	11.7	LDA,LDT1,LDT2
2-D-2-B	Vendor	0.00	8.40	HHDT,MHDT
2-D-2-B	Hauling	0.00	20.0	HHDT
2-D-2-B	Onsite truck	0.00	0.00	HHDT
2-F-1-A	—	—	—	—
2-F-1-A	Worker	50.0	11.7	LDA,LDT1,LDT2
2-F-1-A	Vendor	25.0	8.40	HHDT,MHDT
2-F-1-A	Hauling	0.00	20.0	HHDT
2-F-1-A	Onsite truck	0.00	0.00	HHDT
2-F-1-C	—	—	—	—
2-F-1-C	Worker	80.0	11.7	LDA,LDT1,LDT2
2-F-1-C	Vendor	25.0	20.0	HHDT,MHDT
2-F-1-C	Hauling	0.00	20.0	HHDT
2-F-1-C	Onsite truck	0.00	0.00	HHDT
2-H-1-A	—	—	—	—
2-H-1-A	Worker	20.0	11.7	LDA,LDT1,LDT2
2-H-1-A	Vendor	15.0	8.40	HHDT,MHDT
2-H-1-A	Hauling	0.00	20.0	HHDT
2-H-1-A	Onsite truck	0.00	0.00	HHDT

2-H-1-C	—	—	—	—
2-H-1-C	Worker	30.0	11.7	LDA,LDT1,LDT2
2-H-1-C	Vendor	15.0	8.40	HHDT,MHDT
2-H-1-C	Hauling	0.00	20.0	HHDT
2-H-1-C	Onsite truck	0.00	0.00	HHDT
2-H-2-A	—	—	—	—
2-H-2-A	Worker	20.0	11.7	LDA,LDT1,LDT2
2-H-2-A	Vendor	15.0	8.40	HHDT,MHDT
2-H-2-A	Hauling	0.00	20.0	HHDT
2-H-2-A	Onsite truck	0.00	0.00	HHDT
2-H-2-C	—	—	—	—
2-H-2-C	Worker	30.0	11.7	LDA,LDT1,LDT2
2-H-2-C	Vendor	15.0	8.40	HHDT,MHDT
2-H-2-C	Hauling	0.00	20.0	HHDT
2-H-2-C	Onsite truck	0.00	0.00	HHDT
2-G	—	—	—	—
2-G	Worker	50.0	11.7	LDA,LDT1,LDT2
2-G	Vendor	0.00	8.40	HHDT,MHDT
2-G	Hauling	0.00	20.0	HHDT
2-G	Onsite truck	0.00	0.00	HHDT
2-I	—	—	—	—
2-I	Worker	50.0	11.7	LDA,LDT1,LDT2
2-I	Vendor	0.00	8.40	HHDT,MHDT
2-I	Hauling	0.00	20.0	HHDT
2-I	Onsite truck	0.00	—	HHDT
2-F-1-B	—	—	—	—
2-F-1-B	Worker	20.0	11.7	LDA,LDT1,LDT2
2-F-1-B	Vendor	0.00	8.40	HHDT,MHDT

2-F-1-B	Hauling	0.00	20.0	HHDT
2-F-1-B	Onsite truck	0.00	0.00	HHDT
2-H-1-B	—	—	—	—
2-H-1-B	Worker	10.0	11.7	LDA,LDT1,LDT2
2-H-1-B	Vendor	0.00	8.40	HHDT,MHDT
2-H-1-B	Hauling	0.00	20.0	HHDT
2-H-1-B	Onsite truck	0.00	0.00	HHDT
2-H-2-B	—	—	—	—
2-H-2-B	Worker	10.0	11.7	LDA,LDT1,LDT2
2-H-2-B	Vendor	0.00	8.40	HHDT,MHDT
2-H-2-B	Hauling	0.00	20.0	HHDT
2-H-2-B	Onsite truck	0.00	0.00	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
2-E-1	0.00	0.00	456,000	160,000	0.00
2-E-2	0.00	0.00	456,000	160,000	0.00
2-I	0.00	0.00	52,500	17,500	0.00
2-G	0.00	0.00	150,000	50,000	0.00
2-P	0.00	0.00	0.00	0.00	31,363

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
2-A	0.00	0.00	3.35	0.00	—
2-B	26,984	0.00	0.00	0.00	—
2-N	8,108	0.00	0.00	0.00	—
2-P	0.00	0.00	0.00	0.00	2.41
2-J	0.00	0.00	0.00	96,556	—
2-K	3,576	0.00	0.00	0.00	—
2-L	10,219	0.00	0.00	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Office Park	0.00	0%
Research & Development	0.00	0%
University/College (4yr)	0.00	0%
General Office Building	0.00	0%
Regional Shopping Center	0.00	0%
Hotel	0.00	0%
Apartments Mid Rise	—	0%
Enclosed Parking with Elevator	0.00	100%
Parking Lot	0.19	100%
Road Construction	2.22	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2030	0.00	7.64	0.00	0.00
2031	500,000	7.14	0.00	0.00
2032	500,000	7.14	0.00	0.00
2033	250,000	7.14	0.00	0.00

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	Project in urban environment
Land Use	Office acres include acres for office, R&D, and academic. General office includes acres for hotel. Linear acres includes Daily, Girard, and utility improvements. No housing or garage during Phase 2.
Construction: Construction Phases	Data provided by SKS
Construction: Off-Road Equipment	Data provided by SKS.
Construction: Dust From Material Movement	Data provided by SKS.
Construction: Trips and VMT	Data provided by SKS. Defaults used where project-specific data were not available.
Construction: Paving	Data provided by SKS
Construction: On-Road Fugitive Dust	Silt loading modified per BAAQMD CEQA Guidelines.
Construction: Demolition	Removal during roadway/utility.
Construction: Architectural Coatings	Distributed coating square footages to phases based on buildings constructed in each phase. Exterior coating equal to Alt 1. Interior coating accounts for reduced floor/ceiling slab.
Construction: Electricity	Per PG&E's 2023 PCL adjusted to account for RPS. CO2 is CO2e. 2030 consumption included in Phase 1.

E1.1.3 Phase 3 Construction CalEEMod Output

The CalEEMod output presents model inputs and outputs for construction of the CEQA Reduced Density Alternative, Phase 3. These emissions would also occur under the CEQA Reduced Density Alternative with the Variant.

Neither total construction nor mobile-source emissions results in the CalEEMod output are adjusted to reflect the June 12, 2025, congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has developed off-model adjustment factors for NO_X, ROG, PM_{10}, and $PM_{2.5}$ that remove the estimated emissions benefits attributed to regulations. Emissions of these pollutants were separately quantified using the CalEEMod trip and milage inventory and emission factors from EMFAC2021 with the off-model adjustments per CARB's guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for mobile sources and the total phase emissions recalculated. Refer to Section E1.1.5 for the off-model calculations.

Moffett Alt 2 Construction Phase 3 Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Moffett Alt 2 Construction Phase 3
Construction Start Date	6/1/2033
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	28.2
Location	37.40646021370499, -122.05214834788202
County	Santa Clara
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1702
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	40.0	1000sqft	2.50	40,000	0.00	0.00	—	—
Research & Development	145	1000sqft	0.00	145,000	0.00	0.00	—	—

University/College (4yr)	20.0	Student	0.00	30,000	0.00	0.00	—	—
General Office Building	0.00	1000sqft	0.00	0.00	0.00	0.00	—	—
Regional Shopping Center	20.0	1000sqft	0.00	20,000	0.00	0.00	—	—
Hotel	0.00	Room	0.00	0.00	0.00	0.00	—	—
Apartments Mid Rise	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	—
Enclosed Parking with Elevator	555	1000sqft	1.40	555,000	0.00	0.00	—	—
Parking Lot	255	1000sqft	6.00	0.00	0.00	0.00	—	—
Road Construction	1.30	Mile	1.60	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-1-A	Use Electric or Hybrid Powered Equipment
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-4*	Use Local and Sustainable Building Materials
Construction	C-5	Use Advanced Engine Tiers
Construction	C-10-A	Water Exposed Surfaces
Construction	C-10-B	Water Active Demolition Sites
Construction	C-10-C	Water Unpaved Construction Roads
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-13	Use Low-VOC Paints for Construction

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	85.1	81.2	174	272	0.55	4.34	31.7	35.3	4.00	7.10	10.9	—	61,094	61,094	2.50	2.38	17.3	61,778
Mit.	35.8	35.2	42.8	245	0.44	1.09	28.0	28.7	1.04	6.71	7.60	—	50,725	50,725	2.08	2.29	17.3	51,373
% Reduced	58%	57%	75%	10%	21%	75%	12%	19%	74%	6%	30%	—	17%	17%	17%	4%	—	17%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	81.6	78.1	155	235	0.51	3.76	32.6	36.4	3.48	6.93	10.3	—	55,235	55,235	2.29	2.12	0.41	55,887
Mit.	34.3	33.7	43.6	205	0.39	1.09	27.3	28.1	1.04	6.51	7.30	—	44,866	44,866	1.87	2.07	0.41	45,482
% Reduced	58%	57%	72%	13%	24%	71%	16%	23%	70%	6%	29%	—	19%	19%	18%	2%	—	19%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	26.5	24.6	86.0	128	0.28	1.85	17.0	18.8	1.71	3.96	5.65	—	30,467	30,467	1.30	1.42	4.49	30,927
Mit.	9.96	9.73	21.1	106	0.21	0.51	15.6	16.1	0.50	3.80	4.29	—	24,103	24,103	1.04	1.37	4.49	24,541
% Reduced	62%	61%	75%	17%	26%	73%	8%	15%	71%	4%	24%	—	21%	21%	20%	4%	—	21%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.84	4.50	15.7	23.3	0.05	0.34	3.10	3.44	0.31	0.72	1.03	—	5,044	5,044	0.22	0.24	0.74	5,120
Mit.	1.82	1.78	3.86	19.4	0.04	0.09	2.84	2.93	0.09	0.69	0.78	—	3,990	3,990	0.17	0.23	0.74	4,063
% Reduced	62%	61%	75%	17%	26%	73%	8%	15%	71%	4%	24%	—	21%	21%	20%	4%	—	21%

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	7.91	6.31	61.9	78.6	0.17	2.03	15.4	17.4	1.87	3.29	5.16	—	20,091	20,091	0.95	1.23	10.1	20,492
2034	19.0	15.4	154	221	0.50	3.59	31.7	35.3	3.32	7.10	10.4	—	54,585	54,585	2.31	2.38	17.3	55,369
2035	85.1	81.2	174	272	0.55	4.34	29.3	33.7	4.00	6.92	10.9	—	61,094	61,094	2.50	2.04	14.0	61,778
2036	33.8	32.5	77.6	104	0.22	0.95	8.74	9.70	0.88	2.18	3.06	—	23,491	23,491	0.92	0.49	3.19	23,665
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	7.62	5.93	59.7	66.7	0.18	1.72	18.3	20.0	1.59	4.32	5.92	—	20,775	20,775	1.01	1.62	0.36	21,283
2034	19.4	15.8	155	228	0.50	3.76	32.6	36.4	3.48	6.84	10.3	—	54,270	54,270	2.29	2.12	0.41	54,956
2035	81.6	78.1	155	235	0.51	3.65	31.2	34.8	3.37	6.93	10.3	—	55,235	55,235	2.29	1.99	0.35	55,887
2036	19.8	18.6	61.2	83.7	0.19	0.86	7.04	7.91	0.80	1.76	2.56	—	19,734	19,734	0.78	0.46	0.07	19,892
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	2.11	1.67	16.6	19.5	0.05	0.51	4.35	4.86	0.47	0.97	1.44	—	5,336	5,336	0.25	0.36	1.33	5,451
2034	10.4	8.39	84.7	116	0.28	1.84	17.0	18.8	1.70	3.96	5.65	—	30,467	30,467	1.30	1.42	4.49	30,927
2035	26.5	24.6	86.0	128	0.28	1.85	12.3	14.2	1.71	2.93	4.64	—	29,880	29,880	1.22	0.89	2.56	30,177
2036	12.0	11.7	21.4	27.0	0.06	0.22	2.76	2.98	0.20	0.69	0.89	—	6,202	6,202	0.25	0.17	0.49	6,261
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	0.39	0.31	3.03	3.56	0.01	0.09	0.79	0.89	0.09	0.18	0.26	—	883	883	0.04	0.06	0.22	903
2034	1.90	1.53	15.5	21.2	0.05	0.34	3.10	3.44	0.31	0.72	1.03	—	5,044	5,044	0.22	0.24	0.74	5,120
2035	4.84	4.50	15.7	23.3	0.05	0.34	2.25	2.59	0.31	0.53	0.85	—	4,947	4,947	0.20	0.15	0.42	4,996
2036	2.20	2.14	3.91	4.94	0.01	0.04	0.50	0.54	0.04	0.13	0.16	—	1,027	1,027	0.04	0.03	0.08	1,037

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	1.93	1.47	21.2	75.3	0.16	0.32	12.8	13.1	0.32	3.01	3.32	—	18,956	18,956	0.90	1.22	10.1	19,353
2034	5.54	4.40	42.8	184	0.37	1.09	28.0	28.7	1.04	6.67	7.42	—	43,782	43,782	1.87	2.29	17.3	44,528
2035	35.8	35.2	36.5	245	0.44	0.89	27.4	28.3	0.89	6.71	7.60	—	50,725	50,725	2.08	1.95	14.0	51,373
2036	12.7	12.6	6.58	51.8	0.10	0.19	8.74	8.94	0.19	2.18	2.37	—	12,095	12,095	0.46	0.40	3.19	12,229
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	4.11	3.09	34.7	60.7	0.17	0.86	17.0	17.8	0.81	4.18	4.99	—	19,471	19,471	0.96	1.61	0.36	19,974
2034	5.51	4.37	43.6	197	0.38	1.09	26.8	27.5	1.04	6.21	6.98	—	44,034	44,034	1.87	2.07	0.41	44,685
2035	34.3	33.7	33.3	205	0.39	0.79	27.3	28.1	0.79	6.51	7.30	—	44,866	44,866	1.87	1.91	0.35	45,482
2036	6.96	6.86	6.65	50.2	0.10	0.19	7.04	7.23	0.19	1.76	1.95	—	11,661	11,661	0.45	0.40	0.07	11,792
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	0.89	0.68	8.18	18.4	0.04	0.18	3.81	3.98	0.17	0.91	1.08	—	5,052	5,052	0.24	0.36	1.33	5,166
2034	2.83	2.28	21.1	94.3	0.21	0.51	15.6	16.1	0.50	3.80	4.29	—	24,103	24,103	1.04	1.37	4.49	24,541
2035	9.96	9.73	15.2	106	0.20	0.40	11.6	12.0	0.40	2.86	3.25	—	22,912	22,912	0.93	0.83	2.56	23,185
2036	4.76	4.71	1.75	9.84	0.02	0.04	2.76	2.80	0.04	0.69	0.73	—	2,755	2,755	0.11	0.15	0.49	2,801
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	0.16	0.12	1.49	3.36	0.01	0.03	0.69	0.73	0.03	0.17	0.20	—	836	836	0.04	0.06	0.22	855
2034	0.52	0.42	3.86	17.2	0.04	0.09	2.84	2.93	0.09	0.69	0.78	—	3,990	3,990	0.17	0.23	0.74	4,063
2035	1.82	1.78	2.78	19.4	0.04	0.07	2.12	2.19	0.07	0.52	0.59	—	3,793	3,793	0.15	0.14	0.42	3,839
2036	0.87	0.86	0.32	1.80	< 0.005	0.01	0.50	0.51	0.01	0.13	0.13	—	456	456	0.02	0.02	0.08	464

3. Construction Emissions Details

3.1. 3-C (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.52	1.27	11.1	14.0	0.03	0.33	—	0.33	0.31	—	0.31	—	2,588	2,588	0.10	0.02	—	2,597
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.23	2.04	2.57	< 0.005	0.06	—	0.06	0.06	—	0.06	—	475	475	0.02	< 0.005	—	477
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.37	0.47	< 0.005	0.01	—	0.01	0.01	—	0.01	—	78.7	78.7	< 0.005	< 0.005	—	78.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.52	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	151	151	< 0.005	< 0.005	0.27	151
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.28	0.06	4.11	1.98	0.03	0.06	3.91	3.97	0.06	1.01	1.06	—	3,593	3,593	0.22	0.56	4.41	3,771
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	25.9	25.9	< 0.005	< 0.005	0.02	26.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.78	0.37	0.01	0.01	0.71	0.72	0.01	0.18	0.19	—	660	660	0.04	0.10	0.35	692
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.29	4.29	< 0.005	< 0.005	< 0.005	4.31
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	109	109	0.01	0.02	0.06	115

3.2. 3-C (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.28	3.96	15.3	0.03	0.05	—	0.05	0.05	—	0.05	—	2,588	2,588	0.10	0.02	—	2,597
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.05	0.05	0.73	2.80	< 0.005	0.01	—	0.01	0.01	—	0.01	—	475	475	0.02	< 0.005	—	477
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.13	0.51	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	78.7	78.7	< 0.005	< 0.005	—	78.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.52	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	151	151	< 0.005	< 0.005	0.27	151
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.28	0.06	4.11	1.98	0.03	0.06	3.91	3.97	0.06	1.01	1.06	—	3,593	3,593	0.22	0.56	4.41	3,771
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	25.9	25.9	< 0.005	< 0.005	0.02	26.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.78	0.37	0.01	0.01	0.71	0.72	0.01	0.18	0.19	—	660	660	0.04	0.10	0.35	692
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.29	4.29	< 0.005	< 0.005	< 0.005	4.31
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	109	109	0.01	0.02	0.06	115

3.3. 3-A (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.51	1.27	12.9	17.6	0.02	0.43	—	0.43	0.40	—	0.40	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.12	2.12	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.23	2.36	3.22	< 0.005	0.08	—	0.08	0.07	—	0.07	—	465	465	0.02	< 0.005	—	466
Dust From Material Movemer	—	—	—	—	—	—	0.39	0.39	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.43	0.59	< 0.005	0.01	—	0.01	0.01	—	0.01	—	76.9	76.9	< 0.005	< 0.005	—	77.2

Dust From Material Movemer	—	—	—	—	—	—	0.07	0.07	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.78	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	226	226	< 0.005	< 0.005	0.40	227
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.48	0.71	0.01	0.02	1.41	1.43	0.02	0.36	0.38	—	1,293	1,293	0.08	0.20	1.59	1,358
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.18	0.18	0.00	0.05	0.05	—	38.9	38.9	< 0.005	< 0.005	0.03	39.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.28	0.13	< 0.005	< 0.005	0.25	0.26	< 0.005	0.07	0.07	—	237	237	0.01	0.04	0.13	249
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.44	6.44	< 0.005	< 0.005	0.01	6.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	39.3	39.3	< 0.005	0.01	0.02	41.2

3.4. 3-A (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.61	2.52	< 0.005	0.01	—	0.01	0.01	—	0.01	—	360	360	0.01	< 0.005	—	362
Dust From Material Movemer	—	—	—	—	—	—	0.15	0.15	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	59.7	59.7	< 0.005	< 0.005	—	59.9
Dust From Material Movemer	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.78	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	226	226	< 0.005	< 0.005	0.40	227
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.48	0.71	0.01	0.02	1.41	1.43	0.02	0.36	0.38	—	1,293	1,293	0.08	0.20	1.59	1,358
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.18	0.18	0.00	0.05	0.05	—	38.9	38.9	< 0.005	< 0.005	0.03	39.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.28	0.13	< 0.005	< 0.005	0.25	0.26	< 0.005	0.07	0.07	—	237	237	0.01	0.04	0.13	249
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.44	6.44	< 0.005	< 0.005	0.01	6.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	39.3	39.3	< 0.005	0.01	0.02	41.2

3.5. 3-P (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.94	1.63	14.6	26.9	0.04	0.56	—	0.56	0.51	—	0.51	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.94	1.63	14.6	26.9	0.04	0.56	—	0.56	0.51	—	0.51	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.39	3.49	6.40	0.01	0.13	—	0.13	0.12	—	0.12	—	980	980	0.04	0.01	—	984
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.64	1.17	< 0.005	0.02	—	0.02	0.02	—	0.02	—	162	162	0.01	< 0.005	—	163
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.71	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	221	221	< 0.005	< 0.005	0.30	222
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.61	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	205	205	< 0.005	< 0.005	0.01	206
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	49.4	49.4	< 0.005	< 0.005	0.03	49.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.18	8.18	< 0.005	< 0.005	0.01	8.21
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. 3-P (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.10	0.76	6.85	0.01	0.02	—	0.02	0.02	—	0.02	—	980	980	0.04	0.01	—	984
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.14	1.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	162	162	0.01	< 0.005	—	163
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.71	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	221	221	< 0.005	< 0.005	0.30	222
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.61	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	205	205	< 0.005	< 0.005	0.01	206

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	49.4	49.4	< 0.005	< 0.005	0.03	49.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.18	8.18	< 0.005	< 0.005	0.01	8.21
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. 3-K (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.19	1.00	7.67	10.4	0.02	0.34	—	0.34	0.31	—	0.31	—	2,065	2,065	0.08	0.02	—	2,072
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.19	1.00	7.67	10.4	0.02	0.34	—	0.34	0.31	—	0.31	—	2,065	2,065	0.08	0.02	—	2,072

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.18	1.39	1.89	< 0.005	0.06	—	0.06	0.06	—	0.06	—	373	373	0.02	< 0.005	—	375
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.25	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	61.8	61.8	< 0.005	< 0.005	—	62.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	56.5	56.5	< 0.005	< 0.005	0.10	56.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	52.4	52.4	< 0.005	< 0.005	< 0.005	52.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.58	9.58	< 0.005	< 0.005	0.01	9.62
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	1.59	1.59	< 0.005	< 0.005	< 0.005	1.59
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. 3-K (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.19	1.01	11.9	0.02	0.04	—	0.04	0.04	—	0.04	—	2,065	2,065	0.08	0.02	—	2,072
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.19	1.01	11.9	0.02	0.04	—	0.04	0.04	—	0.04	—	2,065	2,065	0.08	0.02	—	2,072
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.18	2.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	373	373	0.02	< 0.005	—	375

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.03	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	61.8	61.8	< 0.005	< 0.005	—	62.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	56.5	56.5	< 0.005	< 0.005	0.10	56.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	52.4	52.4	< 0.005	< 0.005	< 0.005	52.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.58	9.58	< 0.005	< 0.005	0.01	9.62
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	1.59	1.59	< 0.005	< 0.005	< 0.005	1.59
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. 3-B (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.51	1.27	12.9	17.6	0.02	0.43	—	0.43	0.40	—	0.40	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.51	1.27	12.9	17.6	0.02	0.43	—	0.43	0.40	—	0.40	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	0.30	3.07	4.19	0.01	0.10	—	0.10	0.09	—	0.09	—	604	604	0.02	< 0.005	—	606

Dust From Material Movemer	—	—	—	—	—	—	0.51	0.51	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.56	0.77	< 0.005	0.02	—	0.02	0.02	—	0.02	—	100	100	< 0.005	< 0.005	—	100
Dust From Material Movemer	—	—	—	—	—	—	0.09	0.09	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.78	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	226	226	< 0.005	< 0.005	0.40	227
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.48	0.71	0.01	0.02	1.41	1.43	0.02	0.36	0.38	—	1,293	1,293	0.08	0.20	1.59	1,358
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	210	210	< 0.005	< 0.005	0.01	210
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.55	0.72	0.01	0.02	1.41	1.43	0.02	0.36	0.38	—	1,294	1,294	0.08	0.20	0.04	1,357
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.16	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	50.6	50.6	< 0.005	< 0.005	0.04	50.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.02	0.01	0.36	0.17	< 0.005	< 0.005	0.33	0.34	< 0.005	0.08	0.09	—	309	309	0.02	0.05	0.16	324
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.37	8.37	< 0.005	< 0.005	0.01	8.41
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	51.1	51.1	< 0.005	0.01	0.03	53.6

3.10. 3-B (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.80	3.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	469	469	0.02	< 0.005	—	470
Dust From Material Movemer	—	—	—	—	—	—	0.20	0.20	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.15	0.60	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	77.6	77.6	< 0.005	< 0.005	—	77.9
Dust From Material Movemer	—	—	—	—	—	—	0.04	0.04	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.78	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	226	226	< 0.005	< 0.005	0.40	227
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.48	0.71	0.01	0.02	1.41	1.43	0.02	0.36	0.38	—	1,293	1,293	0.08	0.20	1.59	1,358
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	210	210	< 0.005	< 0.005	0.01	210

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.55	0.72	0.01	0.02	1.41	1.43	0.02	0.36	0.38	—	1,294	1,294	0.08	0.20	0.04	1,357
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.16	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	50.6	50.6	< 0.005	< 0.005	0.04	50.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	0.01	0.36	0.17	< 0.005	< 0.005	0.33	0.34	< 0.005	0.08	0.09	—	309	309	0.02	0.05	0.16	324
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.37	8.37	< 0.005	< 0.005	0.01	8.41
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	51.1	51.1	< 0.005	0.01	0.03	53.6

3.11. 3-B (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.47	1.24	12.7	17.5	0.02	0.40	—	0.40	0.37	—	0.37	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipmer	1.47 t	1.24	12.7	17.5	0.02	0.40	—	0.40	0.37	—	0.37	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.44	0.37	3.76	5.22	0.01	0.12	—	0.12	0.11	—	0.11	—	753	753	0.03	0.01	—	756
Dust From Material Movemer	—	—	—	—	—	—	0.63	0.63	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.08	0.07	0.69	0.95	< 0.005	0.02	—	0.02	0.02	—	0.02	—	125	125	0.01	< 0.005	—	125
Dust From Material Movemer	—	—	—	—	—	—	0.12	0.12	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.74	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	224	224	< 0.005	< 0.005	0.34	225
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.10	0.02	1.44	0.68	0.01	0.02	1.41	1.43	0.02	0.36	0.38	—	1,260	1,260	0.07	0.20	1.38	1,324
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.63	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	207	207	< 0.005	< 0.005	0.01	208
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.51	0.69	0.01	0.02	1.41	1.43	0.02	0.36	0.38	—	1,261	1,261	0.07	0.20	0.04	1,323
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	62.3	62.3	< 0.005	< 0.005	0.04	62.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.44	0.20	< 0.005	0.01	0.41	0.42	0.01	0.11	0.11	—	375	375	0.02	0.06	0.18	394
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.3	10.3	< 0.005	< 0.005	0.01	10.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.08	0.04	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	62.1	62.1	< 0.005	0.01	0.03	65.2

3.12. 3-B (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.99	4.08	0.01	0.01	—	0.01	0.01	—	0.01	—	584	584	0.02	< 0.005	—	586
Dust From Material Movemer	—	—	—	—	—	—	0.25	0.25	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.18	0.74	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	96.7	96.7	< 0.005	< 0.005	—	97.0
Dust From Material Movemer	—	—	—	—	—	—	0.05	0.05	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.74	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	224	224	< 0.005	< 0.005	0.34	225
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.44	0.68	0.01	0.02	1.41	1.43	0.02	0.36	0.38	—	1,260	1,260	0.07	0.20	1.38	1,324
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.63	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	207	207	< 0.005	< 0.005	0.01	208
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.51	0.69	0.01	0.02	1.41	1.43	0.02	0.36	0.38	—	1,261	1,261	0.07	0.20	0.04	1,323
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	62.3	62.3	< 0.005	< 0.005	0.04	62.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.44	0.20	< 0.005	0.01	0.41	0.42	0.01	0.11	0.11	—	375	375	0.02	0.06	0.18	394
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.3	10.3	< 0.005	< 0.005	0.01	10.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.08	0.04	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	62.1	62.1	< 0.005	0.01	0.03	65.2

3.13. 3-O (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.00	1.68	14.9	26.9	0.04	0.60	—	0.60	0.55	—	0.55	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.19	3.19	—	0.35	0.35	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.90	1.63	< 0.005	0.04	—	0.04	0.03	—	0.03	—	249	249	0.01	< 0.005	—	250
Dust From Material Movemer	—	—	—	—	—	—	0.19	0.19	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	41.3	41.3	< 0.005	< 0.005	—	41.4
Dust From Material Movemer	—	—	—	—	—	—	0.04	0.04	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.63	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	207	207	< 0.005	< 0.005	0.01	208
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	12.7	12.7	< 0.005	< 0.005	0.01	12.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.10	2.10	< 0.005	< 0.005	< 0.005	2.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. 3-O (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.19	1.74	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	249	249	0.01	< 0.005	—	250
Dust From Material Movemer	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.3	41.3	< 0.005	< 0.005	—	41.4
Dust From Material Movemer	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.63	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	207	207	< 0.005	< 0.005	0.01	208
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	12.7	12.7	< 0.005	< 0.005	0.01	12.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.10	2.10	< 0.005	< 0.005	< 0.005	2.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. 3-O (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.94	1.63	14.6	26.9	0.04	0.56	—	0.56	0.51	—	0.51	—	4,113	4,113	0.17	0.03	—	4,127

Dust From Material Movemer	—	—	—	—	—	—	3.19	3.19	—	0.35	0.35	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.92	1.68	< 0.005	0.03	—	0.03	0.03	—	0.03	—	258	258	0.01	< 0.005	—	258
Dust From Material Movemer	—	—	—	—	—	—	0.20	0.20	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.17	0.31	< 0.005	0.01	—	0.01	0.01	—	0.01	—	42.6	42.6	< 0.005	< 0.005	—	42.8
Dust From Material Movemer	—	—	—	—	—	—	0.04	0.04	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.61	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	205	205	< 0.005	< 0.005	0.01	206

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.02	0.02	—	13.0	13.0	< 0.005	< 0.005	0.01	13.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.15	2.15	< 0.005	< 0.005	< 0.005	2.16
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. 3-O (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.20	1.80	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	258	258	0.01	< 0.005	—	258
Dust From Material Movemer	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.33	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	42.6	42.6	< 0.005	< 0.005	—	42.8
Dust From Material Movemer	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.61	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	205	205	< 0.005	< 0.005	0.01	206
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.02	0.02	—	13.0	13.0	< 0.005	< 0.005	0.01	13.0

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.15	2.15	< 0.005	< 0.005	< 0.005	2.16
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. 3-J (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.38	1.16	9.05	12.6	0.02	0.39	—	0.39	0.35	—	0.35	—	2,455	2,455	0.10	0.02	—	2,463
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.12	1.55	< 0.005	0.05	—	0.05	0.04	—	0.04	—	303	303	0.01	< 0.005	—	304
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.03	0.03	0.20	0.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	50.1	50.1	< 0.005	< 0.005	—	50.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.26	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	75.4	75.4	< 0.005	< 0.005	0.13	75.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.71	8.71	< 0.005	< 0.005	0.01	8.74
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	1.44	1.44	< 0.005	< 0.005	< 0.005	1.45
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.18. 3-J (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.23	0.23	1.20	14.2	0.02	0.05	—	0.05	0.05	—	0.05	—	2,455	2,455	0.10	0.02	—	2,463
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.15	1.76	< 0.005	0.01	—	0.01	0.01	—	0.01	—	303	303	0.01	< 0.005	—	304
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.03	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	50.1	50.1	< 0.005	< 0.005	—	50.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.26	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	75.4	75.4	< 0.005	< 0.005	0.13	75.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.71	8.71	< 0.005	< 0.005	0.01	8.74

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	1.44	1.44	< 0.005	< 0.005	< 0.005	1.45
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.19. 3-D-1-A (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.08	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	349	349	0.01	< 0.005	0.02	350
Vendor	0.04	0.01	0.63	0.32	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	537	537	0.03	0.08	0.02	561
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	62.9	62.9	< 0.005	< 0.005	0.05	63.1
Vendor	0.01	< 0.005	0.11	0.06	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	95.6	95.6	< 0.005	0.01	0.05	99.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.4	10.4	< 0.005	< 0.005	0.01	10.5
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	15.8	15.8	< 0.005	< 0.005	0.01	16.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.20. 3-D-1-A (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.08	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	349	349	0.01	< 0.005	0.02	350
Vendor	0.04	0.01	0.63	0.32	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	537	537	0.03	0.08	0.02	561
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	62.9	62.9	< 0.005	< 0.005	0.05	63.1
Vendor	0.01	< 0.005	0.11	0.06	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	95.6	95.6	< 0.005	0.01	0.05	99.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.4	10.4	< 0.005	< 0.005	0.01	10.5
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	15.8	15.8	< 0.005	< 0.005	0.01	16.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. 3-D-1-C (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	5.47	4.57	44.9	62.8	0.13	0.83	—	0.83	0.77	—	0.77	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.47	4.57	44.9	62.8	0.13	0.83	—	0.83	0.77	—	0.77	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.91	3.26	32.1	44.9	0.10	0.59	—	0.59	0.55	—	0.55	—	9,623	9,623	0.39	0.08	—	9,656
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.71	0.60	5.85	8.19	0.02	0.11	—	0.11	0.10	—	0.10	—	1,593	1,593	0.06	0.01	—	1,599
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.10	1.98	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	596	596	0.01	0.01	0.92	599
Vendor	0.07	0.02	1.08	0.50	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,200	1,200	0.05	0.18	1.26	1,256
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.12	1.68	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	552	552	0.01	0.01	0.02	554
Vendor	0.07	0.02	1.15	0.50	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,201	1,201	0.05	0.18	0.03	1,256
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.07	1.20	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	399	399	0.01	< 0.005	0.28	400
Vendor	0.05	0.01	0.80	0.36	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	857	857	0.04	0.13	0.39	897
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.22	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	66.0	66.0	< 0.005	< 0.005	0.05	66.3
Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	142	142	0.01	0.02	0.06	149
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.22. 3-D-1-C (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipmer	0.83 t	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.59	0.59	3.07	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,231	6,231	0.25	0.05	—	6,252
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.11	0.11	0.56	6.09	0.01	0.02	—	0.02	0.02	—	0.02	—	1,032	1,032	0.04	0.01	—	1,035
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.10	1.98	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	596	596	0.01	0.01	0.92	599
Vendor	0.07	0.02	1.08	0.50	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,200	1,200	0.05	0.18	1.26	1,256
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.12	1.68	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	552	552	0.01	0.01	0.02	554
Vendor	0.07	0.02	1.15	0.50	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,201	1,201	0.05	0.18	0.03	1,256
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.12	0.11	0.07	1.20	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	399	399	0.01	< 0.005	0.28	400
Vendor	0.05	0.01	0.80	0.36	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	857	857	0.04	0.13	0.39	897
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.22	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	66.0	66.0	< 0.005	< 0.005	0.05	66.3
Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	142	142	0.01	0.02	0.06	149
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.23. 3-D-1-C (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.37	4.49	43.8	62.2	0.13	0.80	—	0.80	0.73	—	0.73	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.37	4.49	43.8	62.2	0.13	0.80	—	0.80	0.73	—	0.73	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	3.53	2.95	28.8	40.9	0.09	0.52	—	0.52	0.48	—	0.48	—	8,859	8,859	0.36	0.07	—	8,889
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	0.54	5.26	7.47	0.02	0.10	—	0.10	0.09	—	0.09	—	1,467	1,467	0.06	0.01	—	1,472
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.09	1.90	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	590	590	0.01	0.01	0.79	592
Vendor	0.06	0.02	1.05	0.48	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,158	1,158	0.04	0.17	1.06	1,211
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.10	1.62	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	547	547	0.01	0.01	0.02	548
Vendor	0.06	0.02	1.10	0.49	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,159	1,159	0.04	0.17	0.03	1,210
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.06	1.05	0.00	0.00	1.76	1.76	0.00	0.43	0.43	—	363	363	0.01	< 0.005	0.22	365
Vendor	0.04	0.01	0.71	0.32	0.01	0.01	0.98	0.99	0.01	0.25	0.26	—	762	762	0.03	0.11	0.30	796
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	60.1	60.1	< 0.005	< 0.005	0.04	60.4
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.18	0.18	< 0.005	0.05	0.05	—	126	126	< 0.005	0.02	0.05	132

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.24. 3-D-1-C (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.54	0.54	2.83	30.7	0.05	0.11	—	0.11	0.11	—	0.11	—	5,736	5,736	0.23	0.05	—	5,755
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.10	0.10	0.52	5.60	0.01	0.02	—	0.02	0.02	—	0.02	—	950	950	0.04	0.01	—	953
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.09	1.90	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	590	590	0.01	0.01	0.79	592
Vendor	0.06	0.02	1.05	0.48	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,158	1,158	0.04	0.17	1.06	1,211
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.10	1.62	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	547	547	0.01	0.01	0.02	548
Vendor	0.06	0.02	1.10	0.49	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,159	1,159	0.04	0.17	0.03	1,210
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.06	1.05	0.00	0.00	1.76	1.76	0.00	0.43	0.43	—	363	363	0.01	< 0.005	0.22	365
Vendor	0.04	0.01	0.71	0.32	0.01	0.01	0.98	0.99	0.01	0.25	0.26	—	762	762	0.03	0.11	0.30	796
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	60.1	60.1	< 0.005	< 0.005	0.04	60.4
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.18	0.18	< 0.005	0.05	0.05	—	126	126	< 0.005	0.02	0.05	132
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.25. 3-D-2-A (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.06	1.24	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	373	373	< 0.005	< 0.005	0.57	374
Vendor	0.04	0.02	0.58	0.30	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	518	518	0.03	0.08	0.53	542
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.08	1.05	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	345	345	0.01	< 0.005	0.01	346
Vendor	0.04	0.01	0.61	0.31	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	518	518	0.03	0.08	0.01	542
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.18	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	60.2	60.2	< 0.005	< 0.005	0.04	60.5

Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	89.4	89.4	< 0.005	0.01	0.04	93.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.97	9.97	< 0.005	< 0.005	0.01	10.0
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	14.8	14.8	< 0.005	< 0.005	0.01	15.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.26. 3-D-2-A (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.11	0.10	0.06	1.24	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	373	373	< 0.005	< 0.005	0.57	374
Vendor	0.04	0.02	0.58	0.30	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	518	518	0.03	0.08	0.53	542
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.08	1.05	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	345	345	0.01	< 0.005	0.01	346
Vendor	0.04	0.01	0.61	0.31	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	518	518	0.03	0.08	0.01	542
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.18	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	60.2	60.2	< 0.005	< 0.005	0.04	60.5
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	89.4	89.4	< 0.005	0.01	0.04	93.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.97	9.97	< 0.005	< 0.005	0.01	10.0
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	14.8	14.8	< 0.005	< 0.005	0.01	15.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.27. 3-D-2-C (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.47	4.57	44.9	62.8	0.13	0.83	—	0.83	0.77	—	0.77	—	13,473	13,473	0.55	0.11	—	13,519

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.47	4.57	44.9	62.8	0.13	0.83	—	0.83	0.77	—	0.77	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.62	2.19	21.5	30.1	0.06	0.40	—	0.40	0.37	—	0.37	—	6,459	6,459	0.26	0.05	—	6,482
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	0.40	3.93	5.50	0.01	0.07	—	0.07	0.07	—	0.07	—	1,069	1,069	0.04	0.01	—	1,073
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.10	1.98	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	596	596	0.01	0.01	0.92	599
Vendor	0.07	0.02	1.08	0.50	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,200	1,200	0.05	0.18	1.26	1,256
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.17	0.16	0.12	1.68	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	552	552	0.01	0.01	0.02	554
Vendor	0.07	0.02	1.15	0.50	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,201	1,201	0.05	0.18	0.03	1,256
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.05	0.80	0.00	0.00	1.28	1.28	0.00	0.32	0.32	—	268	268	< 0.005	< 0.005	0.19	269
Vendor	0.04	0.01	0.54	0.24	0.01	0.01	0.72	0.72	0.01	0.18	0.19	—	576	576	0.02	0.09	0.26	602
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	44.3	44.3	< 0.005	< 0.005	0.03	44.5
Vendor	0.01	< 0.005	0.10	0.04	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	95.3	95.3	< 0.005	0.01	0.04	99.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.28. 3-D-2-C (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	2.06	22.4	0.04	0.08	—	0.08	0.08	—	0.08	—	4,182	4,182	0.17	0.03	—	4,197
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.38	4.09	0.01	0.01	—	0.01	0.01	—	0.01	—	692	692	0.03	0.01	—	695
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.10	1.98	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	596	596	0.01	0.01	0.92	599
Vendor	0.07	0.02	1.08	0.50	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,200	1,200	0.05	0.18	1.26	1,256
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.12	1.68	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	552	552	0.01	0.01	0.02	554
Vendor	0.07	0.02	1.15	0.50	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,201	1,201	0.05	0.18	0.03	1,256
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.05	0.80	0.00	0.00	1.28	1.28	0.00	0.32	0.32	—	268	268	< 0.005	< 0.005	0.19	269
Vendor	0.04	0.01	0.54	0.24	0.01	0.01	0.72	0.72	0.01	0.18	0.19	—	576	576	0.02	0.09	0.26	602
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	44.3	44.3	< 0.005	< 0.005	0.03	44.5
Vendor	0.01	< 0.005	0.10	0.04	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	95.3	95.3	< 0.005	0.01	0.04	99.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.29. 3-D-2-C (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.37	4.49	43.8	62.2	0.13	0.80	—	0.80	0.73	—	0.73	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.37	4.49	43.8	62.2	0.13	0.80	—	0.80	0.73	—	0.73	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.84	3.20	31.3	44.4	0.10	0.57	—	0.57	0.52	—	0.52	—	9,623	9,623	0.39	0.08	—	9,656
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.70	0.58	5.71	8.11	0.02	0.10	—	0.10	0.10	—	0.10	—	1,593	1,593	0.06	0.01	—	1,599
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.09	1.90	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	590	590	0.01	0.01	0.79	592
Vendor	0.06	0.02	1.05	0.48	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,158	1,158	0.04	0.17	1.06	1,211
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.10	1.62	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	547	547	0.01	0.01	0.02	548
Vendor	0.06	0.02	1.10	0.49	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,159	1,159	0.04	0.17	0.03	1,210
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.07	1.14	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	395	395	0.01	< 0.005	0.24	396
Vendor	0.04	0.01	0.77	0.35	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	827	827	0.03	0.12	0.33	865
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02	0.02	0.01	0.21	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	65.3	65.3	< 0.005	< 0.005	0.04	65.6
Vendor	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	137	137	< 0.005	0.02	0.05	143
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.30. 3-D-2-C (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.59	3.07	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,231	6,231	0.25	0.05	—	6,252
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.56	6.09	0.01	0.02	—	0.02	0.02	—	0.02	—	1,032	1,032	0.04	0.01	—	1,035
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.09	1.90	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	590	590	0.01	0.01	0.79	592
Vendor	0.06	0.02	1.05	0.48	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,158	1,158	0.04	0.17	1.06	1,211
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.10	1.62	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	547	547	0.01	0.01	0.02	548
Vendor	0.06	0.02	1.10	0.49	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,159	1,159	0.04	0.17	0.03	1,210
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.07	1.14	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	395	395	0.01	< 0.005	0.24	396
Vendor	0.04	0.01	0.77	0.35	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	827	827	0.03	0.12	0.33	865
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.21	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	65.3	65.3	< 0.005	< 0.005	0.04	65.6
Vendor	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	137	137	< 0.005	0.02	0.05	143
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.31. 3-D-2-C (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.26	4.40	42.4	61.6	0.13	0.75	—	0.75	0.69	—	0.69	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.26	4.40	42.4	61.6	0.13	0.75	—	0.75	0.69	—	0.69	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.79	7.64	11.1	0.02	0.14	—	0.14	0.12	—	0.12	—	2,426	2,426	0.10	0.02	—	2,434
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.39	2.02	< 0.005	0.02	—	0.02	0.02	—	0.02	—	402	402	0.02	< 0.005	—	403
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.16	0.09	1.83	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	584	584	0.01	0.01	0.67	586
Vendor	0.06	0.02	1.01	0.46	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,120	1,120	0.04	0.17	0.89	1,173
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.16	0.10	1.56	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	541	541	0.01	0.01	0.02	543
Vendor	0.06	0.02	1.07	0.47	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,121	1,121	0.04	0.17	0.02	1,172
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.28	0.00	0.00	0.48	0.48	0.00	0.12	0.12	—	98.5	98.5	< 0.005	< 0.005	0.05	98.9
Vendor	0.01	< 0.005	0.19	0.08	< 0.005	< 0.005	0.27	0.27	< 0.005	0.07	0.07	—	202	202	0.01	0.03	0.07	211
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.05	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	16.3	16.3	< 0.005	< 0.005	0.01	16.4
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	33.4	33.4	< 0.005	0.01	0.01	34.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.32. 3-D-2-C (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	0.77	8.41	0.01	0.03	—	0.03	0.03	—	0.03	—	1,570	1,570	0.06	0.01	—	1,576
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.14	1.53	< 0.005	0.01	—	0.01	0.01	—	0.01	—	260	260	0.01	< 0.005	—	261
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.16	0.09	1.83	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	584	584	0.01	0.01	0.67	586
Vendor	0.06	0.02	1.01	0.46	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,120	1,120	0.04	0.17	0.89	1,173
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.16	0.10	1.56	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	541	541	0.01	0.01	0.02	543
Vendor	0.06	0.02	1.07	0.47	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,121	1,121	0.04	0.17	0.02	1,172
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.28	0.00	0.00	0.48	0.48	0.00	0.12	0.12	—	98.5	98.5	< 0.005	< 0.005	0.05	98.9
Vendor	0.01	< 0.005	0.19	0.08	< 0.005	< 0.005	0.27	0.27	< 0.005	0.07	0.07	—	202	202	0.01	0.03	0.07	211
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.05	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	16.3	16.3	< 0.005	< 0.005	0.01	16.4
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	33.4	33.4	< 0.005	0.01	0.01	34.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.33. 3-R (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.02	1.15	0.56	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	1,006	1,006	0.06	0.16	1.24	1,056
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.02	1.21	0.56	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	1,007	1,007	0.06	0.16	0.03	1,055
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.50	0.23	< 0.005	0.01	0.45	0.46	0.01	0.12	0.12	—	421	421	0.03	0.07	0.22	442
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	69.8	69.8	< 0.005	0.01	0.04	73.2

3.34. 3-R (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.02	1.15	0.56	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	1,006	1,006	0.06	0.16	1.24	1,056
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.02	1.21	0.56	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	1,007	1,007	0.06	0.16	0.03	1,055
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.50	0.23	< 0.005	0.01	0.45	0.46	0.01	0.12	0.12	—	421	421	0.03	0.07	0.22	442
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	69.8	69.8	< 0.005	0.01	0.04	73.2

3.35. 3-R (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.02	1.12	0.53	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	980	980	0.05	0.16	1.07	1,030
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.02	1.18	0.54	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	981	981	0.05	0.16	0.03	1,029
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	0.01	0.82	0.38	0.01	0.01	0.77	0.78	0.01	0.20	0.21	—	700	700	0.04	0.11	0.33	735
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.14	0.14	< 0.005	0.04	0.04	—	116	116	0.01	0.02	0.05	122

3.36. 3-R (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.02	1.12	0.53	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	980	980	0.05	0.16	1.07	1,030
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.02	1.18	0.54	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	981	981	0.05	0.16	0.03	1,029
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	0.01	0.82	0.38	0.01	0.01	0.77	0.78	0.01	0.20	0.21	—	700	700	0.04	0.11	0.33	735
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.14	0.14	< 0.005	0.04	0.04	—	116	116	0.01	0.02	0.05	122

3.37. 3-R (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.09	0.51	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	957	957	0.05	0.15	0.92	1,004
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.07	0.02	1.15	0.51	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	957	957	0.05	0.15	0.02	1,003
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.81	0.37	0.01	0.01	0.77	0.78	0.01	0.20	0.21	—	684	684	0.04	0.11	0.28	717
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.14	0.14	< 0.005	0.04	0.04	—	113	113	0.01	0.02	0.05	119

3.38. 3-R (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.09	0.51	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	957	957	0.05	0.15	0.92	1,004
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.15	0.51	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	957	957	0.05	0.15	0.02	1,003
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.81	0.37	0.01	0.01	0.77	0.78	0.01	0.20	0.21	—	684	684	0.04	0.11	0.28	717
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.14	0.14	< 0.005	0.04	0.04	—	113	113	0.01	0.02	0.05	119

3.39. 3-R (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.06	0.50	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	937	937	0.05	0.15	0.79	983
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.12	0.50	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	937	937	0.05	0.15	0.02	983
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.73	0.33	0.01	0.01	0.71	0.72	0.01	0.18	0.19	—	616	616	0.03	0.10	0.22	646
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.04	—	102	102	< 0.005	0.02	0.04	107

3.40. 3-R (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.06	0.50	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	937	937	0.05	0.15	0.79	983

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.12	0.50	0.01	0.02	1.10	1.11	0.02	0.28	0.30	—	937	937	0.05	0.15	0.02	983
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.73	0.33	0.01	0.01	0.71	0.72	0.01	0.18	0.19	—	616	616	0.03	0.10	0.22	646
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.04	—	102	102	< 0.005	0.02	0.04	107

3.41. 3-L (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	0.81	6.96	9.69	0.02	0.15	—	0.15	0.14	—	0.14	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.42	0.59	< 0.005	0.01	—	0.01	0.01	—	0.01	—	109	109	< 0.005	< 0.005	—	110
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.1	18.1	< 0.005	< 0.005	—	18.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.08	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	349	349	0.01	< 0.005	0.02	350
Vendor	0.03	0.01	0.51	0.26	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	430	430	0.02	0.06	0.01	449
Hauling	0.51	0.10	7.86	3.64	0.05	0.10	7.12	7.22	0.10	1.83	1.93	—	6,542	6,542	0.40	1.03	0.21	6,858
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	21.4	21.4	< 0.005	< 0.005	0.02	21.5
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	26.0	26.0	< 0.005	< 0.005	0.01	27.2
Hauling	0.03	0.01	0.47	0.22	< 0.005	0.01	0.42	0.43	0.01	0.11	0.12	—	397	397	0.02	0.06	0.21	416
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.55	3.55	< 0.005	< 0.005	< 0.005	3.56
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	4.31	4.31	< 0.005	< 0.005	< 0.005	4.51
Hauling	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	65.7	65.7	< 0.005	0.01	0.03	68.9

3.42. 3-L (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.19	1.25	5.70	0.01	0.05	—	0.05	0.05	—	0.05	—	1,064	1,064	0.04	0.01	—	1,068
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.35	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	64.6	64.6	< 0.005	< 0.005	—	64.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.7	10.7	< 0.005	< 0.005	—	10.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.08	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	349	349	0.01	< 0.005	0.02	350
Vendor	0.03	0.01	0.51	0.26	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	430	430	0.02	0.06	0.01	449
Hauling	0.51	0.10	7.86	3.64	0.05	0.10	7.12	7.22	0.10	1.83	1.93	—	6,542	6,542	0.40	1.03	0.21	6,858
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	21.4	21.4	< 0.005	< 0.005	0.02	21.5
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	26.0	26.0	< 0.005	< 0.005	0.01	27.2
Hauling	0.03	0.01	0.47	0.22	< 0.005	0.01	0.42	0.43	0.01	0.11	0.12	—	397	397	0.02	0.06	0.21	416
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.55	3.55	< 0.005	< 0.005	< 0.005	3.56
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	4.31	4.31	< 0.005	< 0.005	< 0.005	4.51
Hauling	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	65.7	65.7	< 0.005	0.01	0.03	68.9

3.43. 3-L (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	0.79	6.85	9.68	0.02	0.14	—	0.14	0.13	—	0.13	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.96	0.79	6.85	9.68	0.02	0.14	—	0.14	0.13	—	0.13	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.68	0.57	4.89	6.91	0.01	0.10	—	0.10	0.09	—	0.09	—	1,286	1,286	0.05	0.01	—	1,291
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.89	1.26	< 0.005	0.02	—	0.02	0.02	—	0.02	—	213	213	0.01	< 0.005	—	214
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.06	1.24	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	373	373	< 0.005	< 0.005	0.57	374
Vendor	0.03	0.01	0.46	0.24	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	414	414	0.02	0.06	0.42	434
Hauling	0.52	0.11	7.27	3.46	0.05	0.10	7.12	7.22	0.10	1.83	1.93	—	6,371	6,371	0.35	1.03	6.96	6,693
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.08	1.05	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	345	345	0.01	< 0.005	0.01	346
Vendor	0.03	0.01	0.49	0.25	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	415	415	0.02	0.06	0.01	434
Hauling	0.51	0.10	7.65	3.49	0.05	0.10	7.12	7.22	0.10	1.83	1.93	—	6,374	6,374	0.35	1.03	0.18	6,689
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.07	0.07	0.04	0.75	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	249	249	< 0.005	< 0.005	0.18	250
Vendor	0.02	0.01	0.34	0.18	< 0.005	< 0.005	0.36	0.36	< 0.005	0.09	0.09	—	296	296	0.01	0.04	0.13	310
Hauling	0.37	0.08	5.36	2.48	0.04	0.07	5.00	5.07	0.07	1.28	1.36	—	4,552	4,552	0.25	0.73	2.15	4,779
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	41.3	41.3	< 0.005	< 0.005	0.03	41.4
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	49.0	49.0	< 0.005	0.01	0.02	51.3
Hauling	0.07	0.01	0.98	0.45	0.01	0.01	0.91	0.92	0.01	0.23	0.25	—	754	754	0.04	0.12	0.36	791

3.44. 3-L (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.19	1.25	5.70	0.01	0.05	—	0.05	0.05	—	0.05	—	1,064	1,064	0.04	0.01	—	1,068
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.19	1.25	5.70	0.01	0.05	—	0.05	0.05	—	0.05	—	1,064	1,064	0.04	0.01	—	1,068
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.15	0.13	0.89	4.07	0.01	0.03	—	0.03	0.03	—	0.03	—	760	760	0.03	0.01	—	763
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.16	0.74	< 0.005	0.01	—	0.01	0.01	—	0.01	—	126	126	0.01	< 0.005	—	126
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.06	1.24	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	373	373	< 0.005	< 0.005	0.57	374
Vendor	0.03	0.01	0.46	0.24	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	414	414	0.02	0.06	0.42	434
Hauling	0.52	0.11	7.27	3.46	0.05	0.10	7.12	7.22	0.10	1.83	1.93	—	6,371	6,371	0.35	1.03	6.96	6,693
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.08	1.05	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	345	345	0.01	< 0.005	0.01	346
Vendor	0.03	0.01	0.49	0.25	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	415	415	0.02	0.06	0.01	434
Hauling	0.51	0.10	7.65	3.49	0.05	0.10	7.12	7.22	0.10	1.83	1.93	—	6,374	6,374	0.35	1.03	0.18	6,689
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.75	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	249	249	< 0.005	< 0.005	0.18	250
Vendor	0.02	0.01	0.34	0.18	< 0.005	< 0.005	0.36	0.36	< 0.005	0.09	0.09	—	296	296	0.01	0.04	0.13	310
Hauling	0.37	0.08	5.36	2.48	0.04	0.07	5.00	5.07	0.07	1.28	1.36	—	4,552	4,552	0.25	0.73	2.15	4,779
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	41.3	41.3	< 0.005	< 0.005	0.03	41.4
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	49.0	49.0	< 0.005	0.01	0.02	51.3

Hauling	0.07	0.01	0.98	0.45	0.01	0.01	0.91	0.92	0.01	0.23	0.25	—	754	754	0.04	0.12	0.36	791

3.45. 3-L (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	0.78	6.71	9.61	0.02	0.13	—	0.13	0.12	—	0.12	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	0.78	6.71	9.61	0.02	0.13	—	0.13	0.12	—	0.12	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.23	2.00	2.86	0.01	0.04	—	0.04	0.04	—	0.04	—	536	536	0.02	< 0.005	—	538
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.05	0.04	0.36	0.52	< 0.005	0.01	—	0.01	0.01	—	0.01	—	88.7	88.7	< 0.005	< 0.005	—	89.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.06	1.19	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	369	369	< 0.005	< 0.005	0.49	370
Vendor	0.03	0.01	0.45	0.24	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	400	400	0.02	0.06	0.36	418
Hauling	0.46	0.11	7.06	3.31	0.05	0.10	7.12	7.22	0.10	1.83	1.93	—	6,220	6,220	0.35	0.98	5.99	6,525
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	1.01	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	342	342	0.01	< 0.005	0.01	343
Vendor	0.03	0.01	0.47	0.25	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	400	400	0.02	0.06	0.01	418
Hauling	0.46	0.10	7.49	3.34	0.05	0.10	7.12	7.22	0.10	1.83	1.93	—	6,223	6,223	0.35	0.98	0.16	6,522
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.30	0.00	0.00	0.50	0.50	0.00	0.12	0.12	—	103	103	< 0.005	< 0.005	0.06	103
Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.04	—	119	119	0.01	0.02	0.05	124
Hauling	0.14	0.03	2.18	0.99	0.02	0.03	2.08	2.11	0.03	0.54	0.56	—	1,851	1,851	0.10	0.29	0.77	1,940
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.05	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	17.0	17.0	< 0.005	< 0.005	0.01	17.1
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	19.7	19.7	< 0.005	< 0.005	0.01	20.6
Hauling	0.02	0.01	0.40	0.18	< 0.005	0.01	0.38	0.39	0.01	0.10	0.10	—	306	306	0.02	0.05	0.13	321

3.46. 3-L (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.19	1.25	5.70	0.01	0.05	—	0.05	0.05	—	0.05	—	1,064	1,064	0.04	0.01	—	1,068
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.19	1.25	5.70	0.01	0.05	—	0.05	0.05	—	0.05	—	1,064	1,064	0.04	0.01	—	1,068
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.37	1.70	< 0.005	0.01	—	0.01	0.01	—	0.01	—	317	317	0.01	< 0.005	—	318
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	52.4	52.4	< 0.005	< 0.005	—	52.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.06	1.19	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	369	369	< 0.005	< 0.005	0.49	370
Vendor	0.03	0.01	0.45	0.24	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	400	400	0.02	0.06	0.36	418
Hauling	0.46	0.11	7.06	3.31	0.05	0.10	7.12	7.22	0.10	1.83	1.93	—	6,220	6,220	0.35	0.98	5.99	6,525
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	1.01	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	342	342	0.01	< 0.005	0.01	343
Vendor	0.03	0.01	0.47	0.25	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	400	400	0.02	0.06	0.01	418
Hauling	0.46	0.10	7.49	3.34	0.05	0.10	7.12	7.22	0.10	1.83	1.93	—	6,223	6,223	0.35	0.98	0.16	6,522
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.30	0.00	0.00	0.50	0.50	0.00	0.12	0.12	—	103	103	< 0.005	< 0.005	0.06	103
Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.04	—	119	119	0.01	0.02	0.05	124
Hauling	0.14	0.03	2.18	0.99	0.02	0.03	2.08	2.11	0.03	0.54	0.56	—	1,851	1,851	0.10	0.29	0.77	1,940
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.05	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	17.0	17.0	< 0.005	< 0.005	0.01	17.1
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	19.7	19.7	< 0.005	< 0.005	0.01	20.6
Hauling	0.02	0.01	0.40	0.18	< 0.005	0.01	0.38	0.39	0.01	0.10	0.10	—	306	306	0.02	0.05	0.13	321

3.47. 3-N (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.43	0.36	3.65	6.43	0.01	0.09	—	0.09	0.08	—	0.08	—	991	991	0.04	0.01	—	994
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	0.36	3.65	6.43	0.01	0.09	—	0.09	0.08	—	0.08	—	991	991	0.04	0.01	—	994
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.09	0.87	1.53	< 0.005	0.02	—	0.02	0.02	—	0.02	—	236	236	0.01	< 0.005	—	237
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	0.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	39.1	39.1	< 0.005	< 0.005	—	39.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	1.12	0.00	0.00	1.60	1.60	0.00	0.39	0.39	—	346	346	< 0.005	< 0.005	0.46	348
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	0.95	0.00	0.00	1.60	1.60	0.00	0.39	0.39	—	321	321	0.01	< 0.005	0.01	322
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.22	0.00	0.00	0.37	0.37	0.00	0.09	0.09	—	77.4	77.4	< 0.005	< 0.005	0.05	77.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	12.8	12.8	< 0.005	< 0.005	0.01	12.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.48. 3-N (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.14	1.30	6.89	0.01	0.03	—	0.03	0.03	—	0.03	—	991	991	0.04	0.01	—	994
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.15	0.14	1.30	6.89	0.01	0.03	—	0.03	0.03	—	0.03	—	991	991	0.04	0.01	—	994
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.31	1.64	< 0.005	0.01	—	0.01	0.01	—	0.01	—	236	236	0.01	< 0.005	—	237
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	39.1	39.1	< 0.005	< 0.005	—	39.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	1.12	0.00	0.00	1.60	1.60	0.00	0.39	0.39	—	346	346	< 0.005	< 0.005	0.46	348
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	0.95	0.00	0.00	1.60	1.60	0.00	0.39	0.39	—	321	321	0.01	< 0.005	0.01	322
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02	0.02	0.01	0.22	0.00	0.00	0.37	0.37	0.00	0.09	0.09	—	77.4	77.4	< 0.005	< 0.005	0.05	77.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	12.8	12.8	< 0.005	< 0.005	0.01	12.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.49. 3-Q (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.18	1.83	16.9	31.0	0.04	0.62	—	0.62	0.57	—	0.57	—	4,744	4,744	0.19	0.04	—	4,760
Architectural Coatings	0.84	0.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.18	1.83	16.9	31.0	0.04	0.62	—	0.62	0.57	—	0.57	—	4,744	4,744	0.19	0.04	—	4,760

Architect Coatings	0.84	0.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.44	4.02	7.38	0.01	0.15	—	0.15	0.14	—	0.14	—	1,131	1,131	0.05	0.01	—	1,135
Architectural Coatings	0.20	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.73	1.35	< 0.005	0.03	—	0.03	0.02	—	0.02	—	187	187	0.01	< 0.005	—	188
Architectural Coatings	0.04	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.83	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	258	258	< 0.005	< 0.005	0.34	259

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.71	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	239	239	< 0.005	< 0.005	0.01	240
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	57.6	57.6	< 0.005	< 0.005	0.04	57.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.54	9.54	< 0.005	< 0.005	0.01	9.58
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.50. 3-Q (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.46	3.52	33.2	0.04	0.09	—	0.09	0.09	—	0.09	—	4,744	4,744	0.19	0.04	—	4,760

Architectural Coatings	0.84	0.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.46	3.52	33.2	0.04	0.09	—	0.09	0.09	—	0.09	—	4,744	4,744	0.19	0.04	—	4,760
Architectural Coatings	0.84	0.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.84	7.91	0.01	0.02	—	0.02	0.02	—	0.02	—	1,131	1,131	0.05	0.01	—	1,135
Architectural Coatings	0.20	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.02	0.02	0.15	1.44	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	187	187	0.01	< 0.005	—	188
Architectural Coatings	0.04	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.83	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	258	258	< 0.005	< 0.005	0.34	259
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.71	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	239	239	< 0.005	< 0.005	0.01	240
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	57.6	57.6	< 0.005	< 0.005	0.04	57.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.54	9.54	< 0.005	< 0.005	0.01	9.58
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.51. 3-E-1 (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.16	0.97	16.5	18.6	0.03	0.09	—	0.09	0.09	—	0.09	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	13.0	13.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	1.00	1.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	202	202	0.01	< 0.005	—	202
Architectural Coatings	0.79	0.79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.01	0.18	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	33.4	33.4	< 0.005	< 0.005	—	33.5
Architectural Coatings	0.14	0.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	1.01	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	342	342	0.01	< 0.005	0.01	343
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	20.9	20.9	< 0.005	< 0.005	0.01	21.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.47	3.47	< 0.005	< 0.005	< 0.005	3.48
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.52. 3-E-1 (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	5.74	5.74	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.35	0.35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Architectural Coating	0.06	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	1.01	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	342	342	0.01	< 0.005	0.01	343
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	20.9	20.9	< 0.005	< 0.005	0.01	21.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.47	3.47	< 0.005	< 0.005	< 0.005	3.48
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.53. 3-E-1 (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.15	0.96	16.4	18.6	0.03	0.09	—	0.09	0.08	—	0.08	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	13.0	13.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.15	0.96	16.4	18.6	0.03	0.09	—	0.09	0.08	—	0.08	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	13.0	13.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	0.35	5.89	6.67	0.01	0.03	—	0.03	0.03	—	0.03	—	1,190	1,190	0.05	0.01	—	1,194
Architectural Coatings	4.64	4.64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	1.07	1.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	197	197	0.01	< 0.005	—	198

Architect Coatings	0.85	0.85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	1.14	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	365	365	< 0.005	< 0.005	0.42	367
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	0.97	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	338	338	0.01	< 0.005	0.01	339
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.34	0.00	0.00	0.60	0.60	0.00	0.15	0.15	—	122	122	< 0.005	< 0.005	0.06	123
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	20.3	20.3	< 0.005	< 0.005	0.01	20.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.54. 3-E-1 (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	5.74	5.74	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	5.74	5.74	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	2.05	2.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.37	0.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	1.14	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	365	365	< 0.005	< 0.005	0.42	367
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	0.97	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	338	338	0.01	< 0.005	0.01	339
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.34	0.00	0.00	0.60	0.60	0.00	0.15	0.15	—	122	122	< 0.005	< 0.005	0.06	123
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	20.3	20.3	< 0.005	< 0.005	0.01	20.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.55. 3-E-2 (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.15	0.96	16.4	18.6	0.03	0.09	—	0.09	0.08	—	0.08	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	12.8	12.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.15	0.96	16.4	18.6	0.03	0.09	—	0.09	0.08	—	0.08	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	12.8	12.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	0.41	6.94	7.86	0.01	0.04	—	0.04	0.03	—	0.03	—	1,402	1,402	0.06	0.01	—	1,407

Architect Coatings	5.40	5.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	1.27	1.43	< 0.005	0.01	—	0.01	0.01	—	0.01	—	232	232	0.01	< 0.005	—	233
Architectural Coatings	0.98	0.98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	1.14	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	365	365	< 0.005	< 0.005	0.42	367
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	0.97	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	338	338	0.01	< 0.005	0.01	339
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.40	0.00	0.00	0.70	0.70	0.00	0.17	0.17	—	144	144	< 0.005	< 0.005	0.08	145
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	23.9	23.9	< 0.005	< 0.005	0.01	24.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.56. 3-E-2 (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	5.66	5.66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	5.66	5.66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	2.39	2.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.44	0.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	1.14	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	365	365	< 0.005	< 0.005	0.42	367
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	0.97	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	338	338	0.01	< 0.005	0.01	339
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.40	0.00	0.00	0.70	0.70	0.00	0.17	0.17	—	144	144	< 0.005	< 0.005	0.08	145
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	23.9	23.9	< 0.005	< 0.005	0.01	24.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.57. 3-M (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	62.1	62.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	62.1	62.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.18	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.8	31.8	< 0.005	< 0.005	—	31.9
Architectural Coatings	14.8	14.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.27	5.27	< 0.005	< 0.005	—	5.29
Architectural Coatings	2.70	2.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.31	0.00	0.00	0.44	0.44	0.00	0.11	0.11	—	95.8	95.8	< 0.005	< 0.005	0.13	96.2

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.26	0.00	0.00	0.44	0.44	0.00	0.11	0.11	—	88.8	88.8	< 0.005	< 0.005	< 0.005	89.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.10	0.10	0.00	0.03	0.03	—	21.4	21.4	< 0.005	< 0.005	0.01	21.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.54	3.54	< 0.005	< 0.005	< 0.005	3.56
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.58. 3-M (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Architectural Coatings	29.6	29.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	29.6	29.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	7.05	7.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Architectural Coating	1.29	1.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.31	0.00	0.00	0.44	0.44	0.00	0.11	0.11	—	95.8	95.8	< 0.005	< 0.005	0.13	96.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.26	0.00	0.00	0.44	0.44	0.00	0.11	0.11	—	88.8	88.8	< 0.005	< 0.005	< 0.005	89.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.10	0.10	0.00	0.03	0.03	—	21.4	21.4	< 0.005	< 0.005	0.01	21.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.54	3.54	< 0.005	< 0.005	< 0.005	3.56
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.59. 3-D-1-B (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.84	2.36	20.2	20.0	0.04	0.66	—	0.66	0.61	—	0.61	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.42	3.60	3.57	0.01	0.12	—	0.12	0.11	—	0.11	—	618	618	0.03	0.01	—	620
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.66	0.65	< 0.005	0.02	—	0.02	0.02	—	0.02	—	102	102	< 0.005	< 0.005	—	103
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.44	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	140	140	< 0.005	< 0.005	0.01	140

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	25.2	25.2	< 0.005	< 0.005	0.02	25.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.16	4.16	< 0.005	< 0.005	< 0.005	4.18
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.60. 3-D-1-B (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.38	2.00	17.1	20.4	0.04	0.59	—	0.59	0.54	—	0.54	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.42	0.36	3.05	3.64	0.01	0.11	—	0.11	0.10	—	0.10	—	618	618	0.03	0.01	—	620
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.56	0.66	< 0.005	0.02	—	0.02	0.02	—	0.02	—	102	102	< 0.005	< 0.005	—	103
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.44	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	140	140	< 0.005	< 0.005	0.01	140
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	25.2	25.2	< 0.005	< 0.005	0.02	25.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.16	4.16	< 0.005	< 0.005	< 0.005	4.18
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.61. 3-D-2-B (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.83	2.35	20.2	20.0	0.04	0.65	—	0.65	0.60	—	0.60	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.83	2.35	20.2	20.0	0.04	0.65	—	0.65	0.60	—	0.60	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	0.41	3.48	3.46	0.01	0.11	—	0.11	0.10	—	0.10	—	599	599	0.02	< 0.005	—	601
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.64	0.63	< 0.005	0.02	—	0.02	0.02	—	0.02	—	99.1	99.1	< 0.005	< 0.005	—	99.5

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.49	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	149	149	< 0.005	< 0.005	0.23	150
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.42	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	138	138	< 0.005	< 0.005	0.01	139
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	24.1	24.1	< 0.005	< 0.005	0.02	24.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	3.99	3.99	< 0.005	< 0.005	< 0.005	4.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.62. 3-D-2-B (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.38	2.00	17.1	20.4	0.04	0.59	—	0.59	0.54	—	0.54	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.38	2.00	17.1	20.4	0.04	0.59	—	0.59	0.54	—	0.54	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	0.35	2.96	3.53	0.01	0.10	—	0.10	0.09	—	0.09	—	599	599	0.02	< 0.005	—	601
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.54	0.64	< 0.005	0.02	—	0.02	0.02	—	0.02	—	99.1	99.1	< 0.005	< 0.005	—	99.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.04	0.04	0.02	0.49	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	149	149	< 0.005	< 0.005	0.23	150
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.42	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	138	138	< 0.005	< 0.005	0.01	139
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	24.1	24.1	< 0.005	< 0.005	0.02	24.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	3.99	3.99	< 0.005	< 0.005	< 0.005	4.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.63. 3-F (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.00	1.68	14.9	26.9	0.04	0.60	—	0.60	0.55	—	0.55	—	4,113	4,113	0.17	0.03	—	4,127

Demolition	—	—	—	—	—	—	1.44	1.44	—	0.22	0.22	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.00	1.68	14.9	26.9	0.04	0.60	—	0.60	0.55	—	0.55	—	4,113	4,113	0.17	0.03	—	4,127
Demolition	—	—	—	—	—	—	1.44	1.44	—	0.22	0.22	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.37	0.31	2.73	4.94	0.01	0.11	—	0.11	0.10	—	0.10	—	755	755	0.03	0.01	—	757
Demolition	—	—	—	—	—	—	0.26	0.26	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.50	0.90	< 0.005	0.02	—	0.02	0.02	—	0.02	—	125	125	0.01	< 0.005	—	125
Demolition	—	—	—	—	—	—	0.05	0.05	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.74	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	224	224	< 0.005	< 0.005	0.34	225
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.33	0.63	0.01	0.02	1.30	1.32	0.02	0.33	0.35	—	1,161	1,161	0.06	0.19	1.27	1,220
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.63	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	207	207	< 0.005	< 0.005	0.01	208
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.39	0.64	0.01	0.02	1.30	1.32	0.02	0.33	0.35	—	1,162	1,162	0.06	0.19	0.03	1,219
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.18	0.18	0.00	0.05	0.05	—	38.4	38.4	< 0.005	< 0.005	0.03	38.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.25	0.12	< 0.005	< 0.005	0.23	0.24	< 0.005	0.06	0.06	—	213	213	0.01	0.03	0.10	224
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.36	6.36	< 0.005	< 0.005	< 0.005	6.39
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	35.3	35.3	< 0.005	0.01	0.02	37.0

3.64. 3-F (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Demolition	—	—	—	—	—	—	0.92	0.92	—	0.14	0.14	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Demolition	—	—	—	—	—	—	0.92	0.92	—	0.14	0.14	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.59	5.27	0.01	0.01	—	0.01	0.01	—	0.01	—	755	755	0.03	0.01	—	757
Demolition	—	—	—	—	—	—	0.17	0.17	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	125	125	0.01	< 0.005	—	125
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.74	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	224	224	< 0.005	< 0.005	0.34	225
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.33	0.63	0.01	0.02	1.30	1.32	0.02	0.33	0.35	—	1,161	1,161	0.06	0.19	1.27	1,220
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.63	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	207	207	< 0.005	< 0.005	0.01	208
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.02	1.39	0.64	0.01	0.02	1.30	1.32	0.02	0.33	0.35	—	1,162	1,162	0.06	0.19	0.03	1,219
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.18	0.18	0.00	0.05	0.05	—	38.4	38.4	< 0.005	< 0.005	0.03	38.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.25	0.12	< 0.005	< 0.005	0.23	0.24	< 0.005	0.06	0.06	—	213	213	0.01	0.03	0.10	224
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.36	6.36	< 0.005	< 0.005	< 0.005	6.39
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	35.3	35.3	< 0.005	0.01	0.02	37.0

3.65. 3-G (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	2.00	1.68	14.9	26.9	0.04	0.60	—	0.60	0.55	—	0.55	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.00	1.68	14.9	26.9	0.04	0.60	—	0.60	0.55	—	0.55	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	0.61	5.38	9.73	0.01	0.22	—	0.22	0.20	—	0.20	—	1,487	1,487	0.06	0.01	—	1,492
Dust From Material Movemer	—	—	—	—	—	—	1.15	1.15	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.98	1.78	< 0.005	0.04	—	0.04	0.04	—	0.04	—	246	246	0.01	< 0.005	—	247

Dust From Material Movemer	—	—	—	—	—	—	0.21	0.21	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.74	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	224	224	< 0.005	< 0.005	0.34	225
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	20.7	20.7	< 0.005	< 0.005	0.02	21.7
Hauling	0.02	< 0.005	0.27	0.13	< 0.005	< 0.005	0.26	0.27	< 0.005	0.07	0.07	—	237	237	0.01	0.04	0.26	249
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.63	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	207	207	< 0.005	< 0.005	0.01	208
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	20.7	20.7	< 0.005	< 0.005	< 0.005	21.7
Hauling	0.02	< 0.005	0.28	0.13	< 0.005	< 0.005	0.26	0.27	< 0.005	0.07	0.07	—	237	237	0.01	0.04	0.01	249
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.23	0.00	0.00	0.36	0.36	0.00	0.09	0.09	—	75.7	75.7	< 0.005	< 0.005	0.05	76.0
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	7.49	7.49	< 0.005	< 0.005	< 0.005	7.84
Hauling	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.09	0.10	< 0.005	0.02	0.03	—	85.8	85.8	< 0.005	0.01	0.04	90.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	12.5	12.5	< 0.005	< 0.005	0.01	12.6
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.24	1.24	< 0.005	< 0.005	< 0.005	1.30
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	14.2	14.2	< 0.005	< 0.005	0.01	14.9

3.66. 3-G (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	1.16	10.4	0.01	0.03	—	0.03	0.03	—	0.03	—	1,487	1,487	0.06	0.01	—	1,492
Dust From Material Movemer	—	—	—	—	—	—	0.45	0.45	—	0.05	0.05	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.21	1.90	< 0.005	0.01	—	0.01	0.01	—	0.01	—	246	246	0.01	< 0.005	—	247
Dust From Material Movemer	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.74	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	224	224	< 0.005	< 0.005	0.34	225
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	20.7	20.7	< 0.005	< 0.005	0.02	21.7
Hauling	0.02	< 0.005	0.27	0.13	< 0.005	< 0.005	0.26	0.27	< 0.005	0.07	0.07	—	237	237	0.01	0.04	0.26	249
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.63	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	207	207	< 0.005	< 0.005	0.01	208
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	20.7	20.7	< 0.005	< 0.005	< 0.005	21.7
Hauling	0.02	< 0.005	0.28	0.13	< 0.005	< 0.005	0.26	0.27	< 0.005	0.07	0.07	—	237	237	0.01	0.04	0.01	249
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.23	0.00	0.00	0.36	0.36	0.00	0.09	0.09	—	75.7	75.7	< 0.005	< 0.005	0.05	76.0
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	7.49	7.49	< 0.005	< 0.005	< 0.005	7.84
Hauling	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.09	0.10	< 0.005	0.02	0.03	—	85.8	85.8	< 0.005	0.01	0.04	90.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	12.5	12.5	< 0.005	< 0.005	0.01	12.6

Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.24	1.24	< 0.005	< 0.005	< 0.005	1.30
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	14.2	14.2	< 0.005	< 0.005	0.01	14.9

3.67. 3-H (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.00	1.68	14.9	26.9	0.04	0.60	—	0.60	0.55	—	0.55	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.19	3.19	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.90	1.63	< 0.005	0.04	—	0.04	0.03	—	0.03	—	249	249	0.01	< 0.005	—	250
Dust From Material Movemer	—	—	—	—	—	—	0.19	0.19	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	41.3	41.3	< 0.005	< 0.005	—	41.4
Dust From Material Movemer	—	—	—	—	—	—	0.04	0.04	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.63	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	207	207	< 0.005	< 0.005	0.01	208
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.82	0.37	0.01	0.01	0.76	0.77	0.01	0.20	0.21	—	683	683	0.04	0.11	0.02	717
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	12.7	12.7	< 0.005	< 0.005	0.01	12.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	41.4	41.4	< 0.005	0.01	0.02	43.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.10	2.10	< 0.005	< 0.005	< 0.005	2.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	6.86	6.86	< 0.005	< 0.005	< 0.005	7.20

3.68. 3-H (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.19	1.74	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	249	249	0.01	< 0.005	—	250
Dust From Material Movemer	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.3	41.3	< 0.005	< 0.005	—	41.4

Dust From Material Movemer	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.63	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	207	207	< 0.005	< 0.005	0.01	208
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.82	0.37	0.01	0.01	0.76	0.77	0.01	0.20	0.21	—	683	683	0.04	0.11	0.02	717
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	12.7	12.7	< 0.005	< 0.005	0.01	12.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	41.4	41.4	< 0.005	0.01	0.02	43.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.10	2.10	< 0.005	< 0.005	< 0.005	2.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	6.86	6.86	< 0.005	< 0.005	< 0.005	7.20

3.69. 3-H (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.94	1.63	14.6	26.9	0.04	0.56	—	0.56	0.51	—	0.51	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.19	3.19	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.94	1.63	14.6	26.9	0.04	0.56	—	0.56	0.51	—	0.51	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.19	3.19	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	0.49	4.35	7.99	0.01	0.17	—	0.17	0.15	—	0.15	—	1,223	1,223	0.05	0.01	—	1,227
Dust From Material Movemer	—	—	—	—	—	—	0.95	0.95	—	0.10	0.10	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.79	1.46	< 0.005	0.03	—	0.03	0.03	—	0.03	—	203	203	0.01	< 0.005	—	203
Dust From Material Movemer	—	—	—	—	—	—	0.17	0.17	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.71	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	221	221	< 0.005	< 0.005	0.30	222
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.76	0.36	0.01	0.01	0.76	0.77	0.01	0.20	0.21	—	667	667	0.04	0.10	0.64	700
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.61	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	205	205	< 0.005	< 0.005	0.01	206
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.80	0.36	0.01	0.01	0.76	0.77	0.01	0.20	0.21	—	667	667	0.04	0.10	0.02	699
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.18	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	61.6	61.6	< 0.005	< 0.005	0.04	61.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.23	0.11	< 0.005	< 0.005	0.22	0.23	< 0.005	0.06	0.06	—	198	198	0.01	0.03	0.08	208
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.2	10.2	< 0.005	< 0.005	0.01	10.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	32.8	32.8	< 0.005	0.01	0.01	34.4

3.70. 3-H (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.12	0.95	8.55	0.01	0.02	—	0.02	0.02	—	0.02	—	1,223	1,223	0.05	0.01	—	1,227

Dust From Material Movemer	—	—	—	—	—	—	0.37	0.37	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.17	1.56	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	203	203	0.01	< 0.005	—	203
Dust From Material Movemer	—	—	—	—	—	—	0.07	0.07	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.71	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	221	221	< 0.005	< 0.005	0.30	222
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.76	0.36	0.01	0.01	0.76	0.77	0.01	0.20	0.21	—	667	667	0.04	0.10	0.64	700
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.61	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	205	205	< 0.005	< 0.005	0.01	206
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.80	0.36	0.01	0.01	0.76	0.77	0.01	0.20	0.21	—	667	667	0.04	0.10	0.02	699
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.18	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	61.6	61.6	< 0.005	< 0.005	0.04	61.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.01	< 0.005	0.23	0.11	< 0.005	< 0.005	0.22	0.23	< 0.005	0.06	0.06	—	198	198	0.01	0.03	0.08	208
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.2	10.2	< 0.005	< 0.005	0.01	10.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	32.8	32.8	< 0.005	0.01	0.01	34.4

3.71. 3-I (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.18	1.83	16.9	31.0	0.04	0.62	—	0.62	0.57	—	0.57	—	4,744	4,744	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.18	1.83	16.9	31.0	0.04	0.62	—	0.62	0.57	—	0.57	—	4,744	4,744	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.44	4.02	7.38	0.01	0.15	—	0.15	0.14	—	0.14	—	1,131	1,131	0.05	0.01	—	1,135

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.73	1.35	< 0.005	0.03	—	0.03	0.02	—	0.02	—	187	187	0.01	< 0.005	—	188
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.83	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	258	258	< 0.005	< 0.005	0.34	259
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.71	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	239	239	< 0.005	< 0.005	0.01	240
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	57.6	57.6	< 0.005	< 0.005	0.04	57.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.54	9.54	< 0.005	< 0.005	0.01	9.58
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.72. 3-I (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.46	3.52	33.2	0.04	0.09	—	0.09	0.09	—	0.09	—	4,744	4,744	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.46	3.52	33.2	0.04	0.09	—	0.09	0.09	—	0.09	—	4,744	4,744	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.84	7.91	0.01	0.02	—	0.02	0.02	—	0.02	—	1,131	1,131	0.05	0.01	—	1,135
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	1.44	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	187	187	0.01	< 0.005	—	188

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.83	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	258	258	< 0.005	< 0.005	0.34	259
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.71	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	239	239	< 0.005	< 0.005	0.01	240
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	57.6	57.6	< 0.005	< 0.005	0.04	57.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.54	9.54	< 0.005	< 0.005	0.01	9.58
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
3-C	Demolition	6/1/2033	9/1/2033	5.00	67.0	—

3-A	Site Preparation	6/1/2033	9/1/2033	5.00	67.0	—
3-P	Site Preparation	2/1/2035	6/1/2035	5.00	87.0	—
3-K	Site Preparation	9/1/2033	12/1/2033	5.00	66.0	—
3-B	Grading	9/1/2033	6/1/2034	5.00	196	—
3-O	Grading	12/1/2034	2/1/2035	5.00	45.0	—
3-J	Grading	7/1/2033	9/1/2033	5.00	45.0	—
3-D-1-A	Building Construction	10/1/2033	12/31/2033	5.00	65.0	—
3-D-1-C	Building Construction	1/1/2034	12/2/2035	5.00	500	—
3-D-2-A	Building Construction	2/1/2034	4/30/2034	5.00	63.0	—
3-D-2-C	Building Construction	5/1/2034	4/1/2036	5.00	502	—
3-R	Building Construction	6/1/2033	12/1/2036	5.00	914	—
3-L	Building Construction	12/1/2033	6/1/2035	5.00	392	—
3-N	Building Construction	2/1/2035	6/1/2035	5.00	87.0	—
3-Q	Paving	6/1/2035	10/1/2035	5.00	87.0	—
3-E-1	Architectural Coating	12/1/2035	7/1/2036	5.00	152	—
3-E-2	Architectural Coating	4/1/2036	11/1/2036	5.00	154	—
3-M	Architectural Coating	2/1/2035	6/1/2035	5.00	87.0	—
3-D-1-B	Trenching	10/1/2033	12/31/2033	5.00	65.0	—
3-D-2-B	Trenching	2/1/2034	4/30/2034	5.00	63.0	—
3-F	Linear, Grubbing & Land Clearing	3/1/2034	6/1/2034	5.00	67.0	—
3-G	Linear, Grading & Excavation	6/1/2034	12/1/2034	5.00	132	—
3-H	Linear, Drainage, Utilities, & Sub-Grade	12/1/2034	6/1/2035	5.00	131	—
3-I	Linear, Paving	6/1/2035	10/1/2035	5.00	87.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
3-C	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
3-C	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
3-C	Concrete/Industrial Saws	Diesel	Average	4.00	4.00	33.0	0.73
3-C	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
3-A	Excavators	Diesel	Average	8.00	8.00	36.0	0.38
3-A	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
3-P	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
3-P	Graders	Diesel	Average	2.00	8.00	148	0.41
3-P	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
3-P	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
3-P	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
3-K	Rubber Tired Dozers	Diesel	Average	1.00	7.00	367	0.40
3-K	Tractors/Loaders/Back hoes	Diesel	Average	1.00	8.00	84.0	0.37
3-K	Graders	Diesel	Average	1.00	8.00	148	0.41
3-B	Excavators	Diesel	Average	8.00	8.00	36.0	0.38
3-B	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
3-O	Graders	Diesel	Average	2.00	8.00	148	0.41
3-O	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
3-O	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
3-O	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
3-O	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
3-J	Graders	Diesel	Average	1.00	8.00	148	0.41

3-J	Tractors/Loaders/Back hoes	Diesel	Average	2.00	7.00	84.0	0.37
3-J	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
3-D-1-C	Cranes	Diesel	Average	7.00	8.00	367	0.29
3-D-1-C	Welders	Diesel	Average	12.0	8.00	46.0	0.45
3-D-1-C	Aerial Lifts	Diesel	Average	18.0	6.00	46.0	0.31
3-D-1-C	Air Compressors	Diesel	Average	6.00	2.00	37.0	0.48
3-D-1-C	Rough Terrain Forklifts	Diesel	Average	10.0	4.00	96.0	0.40
3-D-2-C	Cranes	Diesel	Average	7.00	8.00	367	0.29
3-D-2-C	Welders	Diesel	Average	12.0	8.00	46.0	0.45
3-D-2-C	Aerial Lifts	Diesel	Average	18.0	6.00	46.0	0.31
3-D-2-C	Air Compressors	Diesel	Average	6.00	2.00	37.0	0.48
3-D-2-C	Rough Terrain Forklifts	Diesel	Average	10.0	4.00	96.0	0.40
3-L	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
3-L	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
3-L	Cranes	Diesel	Average	1.00	6.00	367	0.29
3-L	Welders	Diesel	Average	3.00	8.00	46.0	0.45
3-L	Tractors/Loaders/Back hoes	Diesel	Average	1.00	6.00	84.0	0.37
3-N	Tractors/Loaders/Back hoes	Diesel	Average	1.00	8.00	84.0	0.37
3-N	Pavers	Diesel	Average	1.00	6.00	81.0	0.42
3-N	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
3-N	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
3-N	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
3-Q	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
3-Q	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
3-Q	Graders	Diesel	Average	2.00	8.00	148	0.41

3-Q	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
3-Q	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
3-Q	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
3-E-1	Air Compressors	Diesel	Average	5.00	4.00	37.0	0.48
3-E-1	Aerial Lifts	Diesel	Average	13.0	12.0	46.0	0.31
3-E-2	Air Compressors	Diesel	Average	5.00	4.00	37.0	0.48
3-E-2	Aerial Lifts	Diesel	Average	13.0	12.0	46.0	0.31
3-M	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
3-D-1-B	Tractors/Loaders/Back hoes	Diesel	Average	6.00	5.00	84.0	0.37
3-D-1-B	Excavators	Diesel	Average	6.00	4.00	36.0	0.38
3-D-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
3-D-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
3-D-2-B	Tractors/Loaders/Back hoes	Diesel	Average	6.00	5.00	84.0	0.37
3-D-2-B	Excavators	Diesel	Average	6.00	4.00	36.0	0.38
3-D-2-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
3-D-2-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
3-F	Graders	Diesel	Average	2.00	8.00	148	0.41
3-F	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
3-F	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
3-F	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
3-F	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
3-G	Graders	Diesel	Average	2.00	8.00	148	0.41
3-G	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
3-G	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
3-G	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43

3-G	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
3-H	Graders	Diesel	Average	2.00	8.00	148	0.41
3-H	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
3-H	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
3-H	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
3-H	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
3-I	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
3-I	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
3-I	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
3-I	Graders	Diesel	Average	2.00	8.00	148	0.41
3-I	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
3-I	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
3-C	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
3-C	Excavators	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
3-C	Concrete/Industrial Saws	Diesel	Tier 4 Final	4.00	4.00	33.0	0.73
3-C	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
3-A	Excavators	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
3-A	Excavators	Electric	Average	4.00	8.00	36.0	0.38
3-A	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
3-P	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
3-P	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
3-P	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38

3-P	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
3-P	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
3-K	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	7.00	367	0.40
3-K	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
3-K	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
3-B	Excavators	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
3-B	Excavators	Electric	Average	4.00	8.00	36.0	0.38
3-B	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
3-O	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
3-O	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
3-O	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
3-O	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
3-O	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
3-J	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
3-J	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	84.0	0.37
3-J	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
3-D-1-C	Cranes	Diesel	Tier 4 Final	7.00	8.00	367	0.29
3-D-1-C	Welders	Electric	Average	12.0	8.00	46.0	0.45
3-D-1-C	Aerial Lifts	Electric	Average	18.0	6.00	46.0	0.31
3-D-1-C	Air Compressors	Electric	Average	6.00	2.00	37.0	0.48
3-D-1-C	Rough Terrain Forklifts	Diesel	Tier 4 Final	10.0	4.00	96.0	0.40
3-D-2-C	Cranes	Diesel	Tier 4 Final	7.00	8.00	367	0.29
3-D-2-C	Welders	Electric	Average	12.0	8.00	46.0	0.45
3-D-2-C	Aerial Lifts	Electric	Average	18.0	6.00	46.0	0.31
3-D-2-C	Air Compressors	Electric	Average	6.00	2.00	37.0	0.48
3-D-2-C	Rough Terrain Forklifts	Diesel	Tier 4 Final	10.0	4.00	96.0	0.40

3-L	Forklifts	Electric	Average	1.00	6.00	82.0	0.20
3-L	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
3-L	Cranes	Diesel	Tier 4 Final	1.00	6.00	367	0.29
3-L	Welders	Electric	Average	3.00	8.00	46.0	0.45
3-L	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	6.00	84.0	0.37
3-N	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
3-N	Pavers	Diesel	Tier 4 Final	1.00	6.00	81.0	0.42
3-N	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
3-N	Rollers	Diesel	Tier 4 Final	1.00	7.00	36.0	0.38
3-N	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
3-Q	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
3-Q	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
3-Q	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
3-Q	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
3-Q	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
3-Q	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
3-E-1	Air Compressors	Electric	Average	5.00	4.00	37.0	0.48
3-E-1	Aerial Lifts	Electric	Average	13.0	12.0	46.0	0.31
3-E-2	Air Compressors	Electric	Average	5.00	4.00	37.0	0.48
3-E-2	Aerial Lifts	Electric	Average	13.0	12.0	46.0	0.31
3-M	Air Compressors	Electric	Average	1.00	6.00	37.0	0.48
3-D-1-B	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	6.00	5.00	84.0	0.37
3-D-1-B	Excavators	Diesel	Tier 4 Final	6.00	4.00	36.0	0.38
3-D-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
3-D-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43

3-D-2-B	Tractors/Loaders/Back	Diesel	Tier 4 Final	6.00	5.00	84.0	0.37
3-D-2-B	Excavators	Diesel	Tier 4 Final	6.00	4.00	36.0	0.38
3-D-2-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
3-D-2-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
3-F	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
3-F	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
3-F	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
3-F	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
3-F	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
3-G	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
3-G	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
3-G	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
3-G	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
3-G	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
3-H	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
3-H	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
3-H	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
3-H	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
3-H	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
3-I	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
3-I	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
3-I	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
3-I	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
3-I	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
3-I	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
3-C	—	—	—	—
3-C	Worker	20.0	11.7	LDA,LDT1,LDT2
3-C	Vendor	0.00	8.40	HHDT,MHDT
3-C	Hauling	50.0	25.0	HHDT
3-C	Onsite truck	0.00	0.00	HHDT
3-A	—	—	—	—
3-A	Worker	30.0	11.7	LDA,LDT1,LDT2
3-A	Vendor	0.00	8.40	HHDT,MHDT
3-A	Hauling	18.0	25.0	HHDT
3-A	Onsite truck	0.00	0.00	HHDT
3-B	—	—	—	—
3-B	Worker	30.0	11.7	LDA,LDT1,LDT2
3-B	Vendor	0.00	8.40	HHDT,MHDT
3-B	Hauling	18.0	25.0	HHDT
3-B	Onsite truck	0.00	0.00	HHDT
3-D-1-A	—	—	—	—
3-D-1-A	Worker	50.0	11.7	LDA,LDT1,LDT2
3-D-1-A	Vendor	25.0	8.40	HHDT,MHDT
3-D-1-A	Hauling	0.00	20.0	HHDT
3-D-1-A	Onsite truck	0.00	0.00	HHDT
3-E-1	—	—	—	—
3-E-1	Worker	50.0	11.7	LDA,LDT1,LDT2
3-E-1	Vendor	0.00	8.40	HHDT,MHDT
3-E-1	Hauling	0.00	20.0	HHDT

3-E-1	Onsite truck	0.00	0.00	HHDT
3-F	—	—	—	—
3-F	Worker	30.0	11.7	LDA,LDT1,LDT2
3-F	Vendor	0.00	8.40	HHDT,MHDT
3-F	Hauling	16.6	25.0	HHDT
3-F	Onsite truck	0.00	0.00	HHDT
3-G	—	—	—	—
3-G	Worker	30.0	11.7	LDA,LDT1,LDT2
3-G	Vendor	1.00	8.40	HHDT,MHDT
3-G	Hauling	3.39	25.0	HHDT
3-G	Onsite truck	0.00	0.00	HHDT
3-H	—	—	—	—
3-H	Worker	30.0	11.7	LDA,LDT1,LDT2
3-H	Vendor	0.00	8.40	HHDT,MHDT
3-H	Hauling	9.76	25.0	HHDT
3-H	Onsite truck	0.00	0.00	HHDT
3-I	—	—	—	—
3-I	Worker	35.0	11.7	LDA,LDT1,LDT2
3-I	Vendor	0.00	8.40	HHDT,MHDT
3-I	Hauling	0.00	20.0	HHDT
3-I	Onsite truck	0.00	0.00	HHDT
3-P	—	—	—	—
3-P	Worker	30.0	11.7	LDA,LDT1,LDT2
3-P	Vendor	0.00	8.40	HHDT,MHDT
3-P	Hauling	0.00	20.0	HHDT
3-P	Onsite truck	0.00	0.00	HHDT
3-O	—	—	—	—
3-O	Worker	30.0	11.7	LDA,LDT1,LDT2

3-O	Vendor	0.00	8.40	HHDT,MHDT
3-O	Hauling	0.00	20.0	HHDT
3-O	Onsite truck	0.00	0.00	HHDT
3-D-1-C	—	—	—	—
3-D-1-C	Worker	80.0	11.7	LDA,LDT1,LDT2
3-D-1-C	Vendor	25.0	20.0	HHDT,MHDT
3-D-1-C	Hauling	0.00	20.0	HHDT
3-D-1-C	Onsite truck	0.00	0.00	HHDT
3-D-2-A	—	—	—	—
3-D-2-A	Worker	50.0	11.7	LDA,LDT1,LDT2
3-D-2-A	Vendor	25.0	8.40	HHDT,MHDT
3-D-2-A	Hauling	0.00	20.0	HHDT
3-D-2-A	Onsite truck	0.00	0.00	HHDT
3-D-2-C	—	—	—	—
3-D-2-C	Worker	80.0	11.7	LDA,LDT1,LDT2
3-D-2-C	Vendor	25.0	20.0	HHDT,MHDT
3-D-2-C	Hauling	0.00	20.0	HHDT
3-D-2-C	Onsite truck	0.00	0.00	HHDT
3-R	—	—	—	—
3-R	Worker	0.00	11.7	LDA,LDT1,LDT2
3-R	Vendor	0.00	8.40	HHDT,MHDT
3-R	Hauling	14.0	25.0	HHDT
3-R	Onsite truck	0.00	0.00	HHDT
3-Q	—	—	—	—
3-Q	Worker	35.0	11.7	LDA,LDT1,LDT2
3-Q	Vendor	0.00	8.40	HHDT,MHDT
3-Q	Hauling	0.00	20.0	HHDT
3-Q	Onsite truck	0.00	0.00	HHDT

3-E-2	—	—	—	—
3-E-2	Worker	50.0	11.7	LDA,LDT1,LDT2
3-E-2	Vendor	0.00	8.40	HHDT,MHDT
3-E-2	Hauling	0.00	20.0	HHDT
3-E-2	Onsite truck	0.00	0.00	HHDT
3-D-1-B	—	—	—	—
3-D-1-B	Worker	20.0	11.7	LDA,LDT1,LDT2
3-D-1-B	Vendor	0.00	8.40	HHDT,MHDT
3-D-1-B	Hauling	0.00	20.0	HHDT
3-D-1-B	Onsite truck	0.00	0.00	HHDT
3-D-2-B	—	—	—	—
3-D-2-B	Worker	20.0	11.7	LDA,LDT1,LDT2
3-D-2-B	Vendor	0.00	8.40	HHDT,MHDT
3-D-2-B	Hauling	0.00	20.0	HHDT
3-D-2-B	Onsite truck	0.00	0.00	HHDT
3-K	—	—	—	—
3-K	Worker	7.50	11.7	LDA,LDT1,LDT2
3-K	Vendor	0.00	8.40	HHDT,MHDT
3-K	Hauling	0.00	20.0	HHDT
3-K	Onsite truck	0.00	0.00	HHDT
3-J	—	—	—	—
3-J	Worker	10.0	11.7	LDA,LDT1,LDT2
3-J	Vendor	0.00	8.40	HHDT,MHDT
3-J	Hauling	0.00	20.0	HHDT
3-J	Onsite truck	0.00	0.00	HHDT
3-L	—	—	—	—
3-L	Worker	50.0	11.7	LDA,LDT1,LDT2
3-L	Vendor	20.0	8.40	HHDT,MHDT

3-L	Hauling	91.0	25.0	HHDT
3-L	Onsite truck	0.00	0.00	HHDT
3-N	—	—	—	—
3-N	Worker	47.0	11.7	LDA,LDT1,LDT2
3-N	Vendor	0.00	8.40	HHDT,MHDT
3-N	Hauling	0.00	20.0	HHDT
3-N	Onsite truck	0.00	0.00	HHDT
3-M	—	—	—	—
3-M	Worker	13.0	11.7	LDA,LDT1,LDT2
3-M	Vendor	0.00	8.40	HHDT,MHDT
3-M	Hauling	0.00	20.0	HHDT
3-M	Onsite truck	0.00	0.00	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
3-C	—	—	—	—
3-C	Worker	20.0	11.7	LDA,LDT1,LDT2
3-C	Vendor	0.00	8.40	HHDT,MHDT
3-C	Hauling	50.0	25.0	HHDT
3-C	Onsite truck	0.00	0.00	HHDT
3-A	—	—	—	—
3-A	Worker	30.0	11.7	LDA,LDT1,LDT2
3-A	Vendor	0.00	8.40	HHDT,MHDT
3-A	Hauling	18.0	25.0	HHDT
3-A	Onsite truck	0.00	0.00	HHDT
3-B	—	—	—	—
3-B	Worker	30.0	11.7	LDA,LDT1,LDT2
3-B	Vendor	0.00	8.40	HHDT,MHDT

3-B	Hauling	18.0	25.0	HHDT
3-B	Onsite truck	0.00	0.00	HHDT
3-D-1-A	—	—	—	—
3-D-1-A	Worker	50.0	11.7	LDA,LDT1,LDT2
3-D-1-A	Vendor	25.0	8.40	HHDT,MHDT
3-D-1-A	Hauling	0.00	20.0	HHDT
3-D-1-A	Onsite truck	0.00	0.00	HHDT
3-E-1	—	—	—	—
3-E-1	Worker	50.0	11.7	LDA,LDT1,LDT2
3-E-1	Vendor	0.00	8.40	HHDT,MHDT
3-E-1	Hauling	0.00	20.0	HHDT
3-E-1	Onsite truck	0.00	0.00	HHDT
3-F	—	—	—	—
3-F	Worker	30.0	11.7	LDA,LDT1,LDT2
3-F	Vendor	0.00	8.40	HHDT,MHDT
3-F	Hauling	16.6	25.0	HHDT
3-F	Onsite truck	0.00	0.00	HHDT
3-G	—	—	—	—
3-G	Worker	30.0	11.7	LDA,LDT1,LDT2
3-G	Vendor	1.00	8.40	HHDT,MHDT
3-G	Hauling	3.39	25.0	HHDT
3-G	Onsite truck	0.00	0.00	HHDT
3-H	—	—	—	—
3-H	Worker	30.0	11.7	LDA,LDT1,LDT2
3-H	Vendor	0.00	8.40	HHDT,MHDT
3-H	Hauling	9.76	25.0	HHDT
3-H	Onsite truck	0.00	0.00	HHDT
3-I	—	—	—	—

3-I	Worker	35.0	11.7	LDA,LDT1,LDT2
3-I	Vendor	0.00	8.40	HHDT,MHDT
3-I	Hauling	0.00	20.0	HHDT
3-I	Onsite truck	0.00	0.00	HHDT
3-P	—	—	—	—
3-P	Worker	30.0	11.7	LDA,LDT1,LDT2
3-P	Vendor	0.00	8.40	HHDT,MHDT
3-P	Hauling	0.00	20.0	HHDT
3-P	Onsite truck	0.00	0.00	HHDT
3-O	—	—	—	—
3-O	Worker	30.0	11.7	LDA,LDT1,LDT2
3-O	Vendor	0.00	8.40	HHDT,MHDT
3-O	Hauling	0.00	20.0	HHDT
3-O	Onsite truck	0.00	0.00	HHDT
3-D-1-C	—	—	—	—
3-D-1-C	Worker	80.0	11.7	LDA,LDT1,LDT2
3-D-1-C	Vendor	25.0	20.0	HHDT,MHDT
3-D-1-C	Hauling	0.00	20.0	HHDT
3-D-1-C	Onsite truck	0.00	0.00	HHDT
3-D-2-A	—	—	—	—
3-D-2-A	Worker	50.0	11.7	LDA,LDT1,LDT2
3-D-2-A	Vendor	25.0	8.40	HHDT,MHDT
3-D-2-A	Hauling	0.00	20.0	HHDT
3-D-2-A	Onsite truck	0.00	0.00	HHDT
3-D-2-C	—	—	—	—
3-D-2-C	Worker	80.0	11.7	LDA,LDT1,LDT2
3-D-2-C	Vendor	25.0	20.0	HHDT,MHDT
3-D-2-C	Hauling	0.00	20.0	HHDT

3-D-2-C	Onsite truck	0.00	0.00	HHDT
3-R	—	—	—	—
3-R	Worker	0.00	11.7	LDA,LDT1,LDT2
3-R	Vendor	0.00	8.40	HHDT,MHDT
3-R	Hauling	14.0	25.0	HHDT
3-R	Onsite truck	0.00	0.00	HHDT
3-Q	—	—	—	—
3-Q	Worker	35.0	11.7	LDA,LDT1,LDT2
3-Q	Vendor	0.00	8.40	HHDT,MHDT
3-Q	Hauling	0.00	20.0	HHDT
3-Q	Onsite truck	0.00	0.00	HHDT
3-E-2	—	—	—	—
3-E-2	Worker	50.0	11.7	LDA,LDT1,LDT2
3-E-2	Vendor	0.00	8.40	HHDT,MHDT
3-E-2	Hauling	0.00	20.0	HHDT
3-E-2	Onsite truck	0.00	0.00	HHDT
3-D-1-B	—	—	—	—
3-D-1-B	Worker	20.0	11.7	LDA,LDT1,LDT2
3-D-1-B	Vendor	0.00	8.40	HHDT,MHDT
3-D-1-B	Hauling	0.00	20.0	HHDT
3-D-1-B	Onsite truck	0.00	0.00	HHDT
3-D-2-B	—	—	—	—
3-D-2-B	Worker	20.0	11.7	LDA,LDT1,LDT2
3-D-2-B	Vendor	0.00	8.40	HHDT,MHDT
3-D-2-B	Hauling	0.00	20.0	HHDT
3-D-2-B	Onsite truck	0.00	0.00	HHDT
3-K	—	—	—	—
3-K	Worker	7.50	11.7	LDA,LDT1,LDT2

3-K	Vendor	0.00	8.40	HHDT,MHDT
3-K	Hauling	0.00	20.0	HHDT
3-K	Onsite truck	0.00	0.00	HHDT
3-J	—	—	—	—
3-J	Worker	10.0	11.7	LDA,LDT1,LDT2
3-J	Vendor	0.00	8.40	HHDT,MHDT
3-J	Hauling	0.00	20.0	HHDT
3-J	Onsite truck	0.00	0.00	HHDT
3-L	—	—	—	—
3-L	Worker	50.0	11.7	LDA,LDT1,LDT2
3-L	Vendor	20.0	8.40	HHDT,MHDT
3-L	Hauling	91.0	25.0	HHDT
3-L	Onsite truck	0.00	0.00	HHDT
3-N	—	—	—	—
3-N	Worker	47.0	11.7	LDA,LDT1,LDT2
3-N	Vendor	0.00	8.40	HHDT,MHDT
3-N	Hauling	0.00	20.0	HHDT
3-N	Onsite truck	0.00	0.00	HHDT
3-M	—	—	—	—
3-M	Worker	13.0	11.7	LDA,LDT1,LDT2
3-M	Vendor	0.00	8.40	HHDT,MHDT
3-M	Hauling	0.00	20.0	HHDT
3-M	Onsite truck	0.00	0.00	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
3-E-1	0.00	0.00	278,625	97,500	0.00
3-E-2	0.00	0.00	278,625	97,500	0.00
3-Q	0.00	0.00	0.00	0.00	15,682
3-M	0.00	0.00	999,000	111,000	0.00

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
3-A	0.00	0.00	4.06	0.00	—
3-B	32,722	0.00	0.00	0.00	—
3-O	8,108	0.00	0.00	0.00	—
3-Q	0.00	0.00	0.00	0.00	2.22
3-F	0.00	0.00	0.00	96,556	—
3-G	3,576	0.00	0.00	0.00	—
3-H	10,219	0.00	0.00	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Office Park	0.00	0%
Research & Development	0.00	0%

University/College (4yr)	0.00	0%
General Office Building	0.00	0%
Regional Shopping Center	0.00	0%
Hotel	0.00	0%
Apartments Mid Rise	—	0%
Enclosed Parking with Elevator	0.00	100%
Parking Lot	0.00	100%
Road Construction	2.22	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2033	0.00	7.14	0.00	0.00
2034	500,000	7.14	0.00	0.00
2035	500,000	7.14	0.00	0.00
2036	250,000	1.79	0.00	0.00

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	Project in urban environment
Land Use	Office acres include acres for office, R&D, academic, and active. Linear acres includes Daily, Girard, and utility improvements. No housing or garage during Phase 3.
Construction: Construction Phases	Data provided by SKS
Construction: Off-Road Equipment	Data provided by SKS.
Construction: Dust From Material Movement	Data provided by SKS.
Construction: Trips and VMT	Data provided by SKS. Defaults used when project-specific data are not available.
Construction: Paving	Data provided by SKS
Construction: On-Road Fugitive Dust	Silt loading modified per BAAQMD CEQA Guidelines.

Construction: Demolition	Removal during roadway/utility.
Construction: Architectural Coatings	Distributed coating square footages to phases based on buildings constructed in each phase. Exterior coating equal to Alt 1. Interior coating accounts for reduced floor/ceiling slab.
Construction: Electricity	Per PG&E's 2023 PCL adjusted to account for RPS. CO2 is CO2e. 2033 consumption included in Phase 2.

E1.1.4 Phase 4 Construction CalEEMod Output

The CalEEMod output presents model inputs and outputs for construction of the CEQA Reduced Density Alternative, Phase 4.

Neither total construction nor mobile-source emissions results in the CalEEMod output are adjusted to reflect the June 12, 2025, congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has developed off-model adjustment factors for NO_X, ROG, PM_{10}, and $PM_{2.5}$ that remove the estimated emissions benefits attributed to regulations. Emissions of these pollutants were separately quantified using the CalEEMod trip and milage inventory and emission factors from EMFAC2021 with the off-model adjustments per CARB's guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for mobile sources and the total phase emissions recalculated. Refer to Section E1.1.5 for the off-model calculations.

Moffett Alt 2 Construction Phase 4 Custom Report

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3.28. 4-D-2-C (2037) - Mitigated

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3.30. 4-D-2-C (2038) - Mitigated

3.31. 4-D-2-C (2039) - Unmitigated

3.32. 4-D-2-C (2039) - Mitigated

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3.70. 4-H (2037) - Mitigated

3.71. 4-I (2037) - Unmitigated

3.72. 4-I (2037) - Mitigated

3.73. 4-J (2037) - Unmitigated

3.74. 4-J (2037) - Mitigated

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Moffett Alt 2 Construction Phase 4
Construction Start Date	6/1/2036
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	28.2
Location	37.40646021370499, -122.05214834788202
County	Santa Clara
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1702
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	35.0	1000sqft	2.50	35,000	0.00	0.00	—	—
Research & Development	155	1000sqft	0.00	155,000	0.00	0.00	—	—

University/College (4yr)	17.0	Student	0.00	25,000	0.00	0.00	—	—
General Office Building	0.00	1000sqft	0.00	0.00	0.00	0.00	—	—
Regional Shopping Center	20.0	1000sqft	0.00	20,000	0.00	0.00	—	—
Hotel	0.00	Room	0.00	0.00	0.00	0.00	—	—
Apartments Mid Rise	145	Dwelling Unit	0.60	130,000	0.00	0.00	363	—
Enclosed Parking with Elevator	525	1000sqft	1.40	525,000	0.00	0.00	—	—
Parking Lot	0.00	1000sqft	0.00	0.00	0.00	0.00	—	—
Road Construction	1.90	Mile	2.40	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-1-A	Use Electric or Hybrid Powered Equipment
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-4*	Use Local and Sustainable Building Materials
Construction	C-5	Use Advanced Engine Tiers
Construction	C-10-A	Water Exposed Surfaces
Construction	C-10-B	Water Active Demolition Sites
Construction	C-10-C	Water Unpaved Construction Roads
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-13	Use Low-VOC Paints for Construction

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	80.8	76.8	184	277	0.63	3.67	32.6	36.3	3.39	7.45	10.8	—	67,338	67,338	2.73	2.31	11.2	68,105
Mit.	33.1	32.5	58.6	231	0.45	1.66	29.4	30.3	1.57	7.10	8.01	—	51,786	51,786	2.10	2.18	11.2	52,499
% Reduced	59%	58%	68%	16%	28%	55%	10%	17%	54%	5%	26%	—	23%	23%	23%	5%	—	23%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	78.7	75.1	171	257	0.59	3.35	27.4	30.8	3.10	6.45	9.54	—	62,703	62,703	2.55	2.00	0.26	63,364
Mit.	32.5	31.9	59.4	215	0.42	1.66	25.5	26.7	1.57	6.24	7.76	—	47,718	47,718	1.94	1.94	0.26	48,328
% Reduced	59%	57%	65%	16%	29%	50%	7%	13%	49%	3%	19%	—	24%	24%	24%	3%	—	24%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	29.7	27.4	105	157	0.36	1.98	18.0	20.0	1.83	4.28	6.11	—	37,913	37,913	1.52	1.41	2.97	38,236
Mit.	10.6	10.3	25.6	123	0.25	0.68	16.9	17.6	0.67	4.16	4.83	—	28,439	28,439	1.16	1.34	2.97	28,869
% Reduced	64%	62%	76%	21%	30%	65%	6%	12%	64%	3%	21%	—	25%	25%	24%	5%	—	24%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.43	5.01	19.3	28.6	0.07	0.36	3.28	3.64	0.33	0.78	1.12	—	6,277	6,277	0.25	0.23	0.49	6,330
Mit.	1.93	1.88	4.66	22.5	0.05	0.12	3.09	3.21	0.12	0.76	0.88	—	4,708	4,708	0.19	0.22	0.49	4,780
% Reduced	64%	62%	76%	21%	30%	65%	6%	12%	64%	3%	21%	—	25%	25%	24%	5%	—	24%

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	7.34	5.81	58.3	76.0	0.19	1.62	17.3	18.9	1.50	3.77	5.27	—	21,178	21,178	0.91	1.43	7.84	21,635
2037	23.0	18.9	184	277	0.63	3.67	32.6	36.3	3.39	7.45	10.8	—	67,338	67,338	2.73	2.31	11.2	68,105
2038	80.8	76.8	174	269	0.60	3.32	25.2	28.5	3.07	6.34	9.41	—	64,436	64,436	2.60	1.91	8.29	65,079
2039	49.3	46.9	133	184	0.39	1.60	14.3	15.9	1.48	3.56	5.04	—	41,912	41,912	1.62	0.75	3.03	42,179
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	7.23	5.66	56.9	64.8	0.18	1.50	18.6	20.1	1.39	4.41	5.80	—	20,386	20,386	0.88	1.60	0.24	20,885
2037	21.4	17.6	171	257	0.59	3.35	27.4	30.8	3.10	6.45	9.54	—	62,703	62,703	2.55	2.00	0.26	63,364
2038	78.7	75.1	161	239	0.56	2.84	24.0	26.9	2.63	6.05	8.67	—	59,261	59,261	2.41	1.88	0.21	59,881
2039	35.8	33.6	117	163	0.36	1.53	12.6	14.1	1.41	3.14	4.55	—	38,097	38,097	1.49	0.73	0.07	38,351
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	2.02	1.58	16.3	19.2	0.05	0.43	5.10	5.54	0.40	1.17	1.57	—	5,832	5,832	0.25	0.45	1.09	5,973
2037	12.7	10.3	102	144	0.35	1.98	18.0	20.0	1.83	4.28	6.11	—	37,081	37,081	1.51	1.41	2.97	37,541
2038	29.7	27.4	105	157	0.36	1.82	12.9	14.7	1.68	3.23	4.91	—	37,913	37,913	1.52	0.95	1.74	38,236
2039	16.5	15.8	38.3	50.7	0.11	0.42	4.59	5.00	0.39	1.15	1.53	—	11,793	11,793	0.46	0.28	0.48	11,888
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	0.37	0.29	2.97	3.50	0.01	0.08	0.93	1.01	0.07	0.21	0.29	—	966	966	0.04	0.07	0.18	989
2037	2.32	1.89	18.6	26.4	0.06	0.36	3.28	3.64	0.33	0.78	1.12	—	6,139	6,139	0.25	0.23	0.49	6,215
2038	5.43	5.01	19.3	28.6	0.07	0.33	2.35	2.68	0.31	0.59	0.90	—	6,277	6,277	0.25	0.16	0.29	6,330
2039	3.01	2.89	6.99	9.25	0.02	0.08	0.84	0.91	0.07	0.21	0.28	—	1,952	1,952	0.08	0.05	0.08	1,968

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	1.97	1.49	22.4	75.4	0.17	0.34	14.7	15.0	0.34	3.49	3.83	—	20,043	20,043	0.86	1.42	7.84	20,496
2037	7.79	6.46	58.6	231	0.45	1.66	29.4	30.3	1.57	7.10	8.01	—	51,786	51,786	2.10	2.18	11.2	52,499
2038	33.1	32.5	32.7	228	0.43	0.88	25.2	26.1	0.88	6.34	7.22	—	49,318	49,318	1.98	1.79	8.29	49,908
2039	17.9	17.7	11.8	101	0.19	0.37	14.3	14.7	0.37	3.56	3.93	—	22,443	22,443	0.83	0.59	3.03	22,643
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	4.03	3.08	34.2	59.9	0.17	0.86	17.3	18.2	0.81	4.27	5.08	—	19,082	19,082	0.82	1.59	0.24	19,576
2037	7.77	6.36	59.4	215	0.42	1.66	25.5	26.7	1.57	6.24	7.76	—	47,718	47,718	1.94	1.94	0.26	48,328
2038	32.5	31.9	29.8	193	0.39	0.80	24.0	24.8	0.79	6.05	6.84	—	44,142	44,142	1.79	1.75	0.21	44,710
2039	12.4	12.2	12.0	99.3	0.19	0.37	12.6	13.0	0.37	3.14	3.51	—	21,952	21,952	0.83	0.60	0.07	22,150
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	0.92	0.69	8.79	18.5	0.05	0.19	4.56	4.75	0.18	1.11	1.29	—	5,549	5,549	0.24	0.45	1.09	5,689
2037	3.58	3.01	25.6	119	0.25	0.68	16.9	17.6	0.67	4.16	4.83	—	28,439	28,439	1.16	1.34	2.97	28,869
2038	10.6	10.3	16.5	123	0.24	0.47	12.9	13.4	0.47	3.23	3.71	—	26,964	26,964	1.07	0.86	1.74	27,249
2039	6.21	6.14	3.49	24.4	0.05	0.10	4.59	4.68	0.10	1.15	1.24	—	5,969	5,969	0.22	0.23	0.48	6,044
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	0.17	0.13	1.60	3.38	0.01	0.03	0.83	0.87	0.03	0.20	0.24	—	919	919	0.04	0.07	0.18	942
2037	0.65	0.55	4.66	21.6	0.05	0.12	3.09	3.21	0.12	0.76	0.88	—	4,708	4,708	0.19	0.22	0.49	4,780
2038	1.93	1.88	3.01	22.5	0.04	0.09	2.35	2.44	0.09	0.59	0.68	—	4,464	4,464	0.18	0.14	0.29	4,511
2039	1.13	1.12	0.64	4.46	0.01	0.02	0.84	0.85	0.02	0.21	0.23	—	988	988	0.04	0.04	0.08	1,001

3. Construction Emissions Details

3.1. 4-C (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.39	1.17	9.98	13.1	0.03	0.26	—	0.26	0.24	—	0.24	—	2,588	2,588	0.10	0.02	—	2,597
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.21	1.80	2.37	< 0.005	0.05	—	0.05	0.04	—	0.04	—	468	468	0.02	< 0.005	—	470
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.33	0.43	< 0.005	0.01	—	0.01	0.01	—	0.01	—	77.5	77.5	< 0.005	< 0.005	—	77.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.46	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	146	146	< 0.005	< 0.005	0.17	147
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.25	0.06	3.79	1.77	0.03	0.06	3.91	3.97	0.06	1.01	1.06	—	3,345	3,345	0.16	0.54	2.83	3,512
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	24.7	24.7	< 0.005	< 0.005	0.01	24.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.71	0.32	0.01	0.01	0.69	0.70	0.01	0.18	0.19	—	605	605	0.03	0.10	0.22	635
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.10	4.10	< 0.005	< 0.005	< 0.005	4.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	100	100	< 0.005	0.02	0.04	105

3.2. 4-C (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.28	3.96	15.3	0.03	0.05	—	0.05	0.05	—	0.05	—	2,588	2,588	0.10	0.02	—	2,597
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.05	0.05	0.72	2.76	< 0.005	0.01	—	0.01	0.01	—	0.01	—	468	468	0.02	< 0.005	—	470
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.13	0.50	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	77.5	77.5	< 0.005	< 0.005	—	77.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.46	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	146	146	< 0.005	< 0.005	0.17	147
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.25	0.06	3.79	1.77	0.03	0.06	3.91	3.97	0.06	1.01	1.06	—	3,345	3,345	0.16	0.54	2.83	3,512
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	24.7	24.7	< 0.005	< 0.005	0.01	24.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.71	0.32	0.01	0.01	0.69	0.70	0.01	0.18	0.19	—	605	605	0.03	0.10	0.22	635
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.10	4.10	< 0.005	< 0.005	< 0.005	4.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	100	100	< 0.005	0.02	0.04	105

3.3. 4-A (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.40	1.17	12.2	17.5	0.02	0.33	—	0.33	0.30	—	0.30	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.12	2.12	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.21	2.21	3.16	< 0.005	0.06	—	0.06	0.05	—	0.05	—	458	458	0.02	< 0.005	—	459
Dust From Material Movemer	—	—	—	—	—	—	0.38	0.38	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.40	0.58	< 0.005	0.01	—	0.01	0.01	—	0.01	—	75.8	75.8	< 0.005	< 0.005	—	76.0

Dust From Material Movemer	—	—	—	—	—	—	0.07	0.07	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.68	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	219	219	< 0.005	< 0.005	0.25	220
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	1.97	0.92	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,740	1,740	0.08	0.28	1.47	1,826
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	37.1	37.1	< 0.005	< 0.005	0.02	37.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	0.01	0.37	0.17	< 0.005	0.01	0.36	0.37	0.01	0.09	0.10	—	315	315	0.02	0.05	0.11	330
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.14	6.14	< 0.005	< 0.005	< 0.005	6.17
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	52.1	52.1	< 0.005	0.01	0.02	54.7

3.4. 4-A (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.60	2.48	< 0.005	0.01	—	0.01	0.01	—	0.01	—	355	355	0.01	< 0.005	—	356
Dust From Material Movemer	—	—	—	—	—	—	0.15	0.15	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.45	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	58.8	58.8	< 0.005	< 0.005	—	59.0
Dust From Material Movemer	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.68	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	219	219	< 0.005	< 0.005	0.25	220
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	1.97	0.92	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,740	1,740	0.08	0.28	1.47	1,826
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	37.1	37.1	< 0.005	< 0.005	0.02	37.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	0.01	0.37	0.17	< 0.005	0.01	0.36	0.37	0.01	0.09	0.10	—	315	315	0.02	0.05	0.11	330
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.14	6.14	< 0.005	< 0.005	< 0.005	6.17
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	52.1	52.1	< 0.005	0.01	0.02	54.7

3.5. 4-M (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.07	0.90	6.54	9.64	0.02	0.27	—	0.27	0.25	—	0.25	—	2,065	2,065	0.08	0.02	—	2,072
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	0.90	6.54	9.64	0.02	0.27	—	0.27	0.25	—	0.25	—	2,065	2,065	0.08	0.02	—	2,072
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.18	1.74	< 0.005	0.05	—	0.05	0.04	—	0.04	—	373	373	0.02	< 0.005	—	375
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.22	0.32	< 0.005	0.01	—	0.01	0.01	—	0.01	—	61.8	61.8	< 0.005	< 0.005	—	62.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.17	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	54.8	54.8	< 0.005	< 0.005	0.06	55.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.15	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	50.7	50.7	< 0.005	< 0.005	< 0.005	50.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.28	9.28	< 0.005	< 0.005	< 0.005	9.31
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	1.54	1.54	< 0.005	< 0.005	< 0.005	1.54
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. 4-M (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.19	1.01	11.9	0.02	0.04	—	0.04	0.04	—	0.04	—	2,065	2,065	0.08	0.02	—	2,072
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.19	1.01	11.9	0.02	0.04	—	0.04	0.04	—	0.04	—	2,065	2,065	0.08	0.02	—	2,072
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.18	2.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	373	373	0.02	< 0.005	—	375
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.03	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	61.8	61.8	< 0.005	< 0.005	—	62.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.17	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	54.8	54.8	< 0.005	< 0.005	0.06	55.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.15	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	50.7	50.7	< 0.005	< 0.005	< 0.005	50.9

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.28	9.28	< 0.005	< 0.005	< 0.005	9.31
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	1.54	1.54	< 0.005	< 0.005	< 0.005	1.54
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. 4-B (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.40	1.17	12.2	17.5	0.02	0.33	—	0.33	0.30	—	0.30	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.40	1.17	12.2	17.5	0.02	0.33	—	0.33	0.30	—	0.30	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movement	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	0.28	2.92	4.18	0.01	0.08	—	0.08	0.07	—	0.07	—	604	604	0.02	< 0.005	—	606
Dust From Material Movement	—	—	—	—	—	—	0.51	0.51	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.53	0.76	< 0.005	0.01	—	0.01	0.01	—	0.01	—	100	100	< 0.005	< 0.005	—	100
Dust From Material Movement	—	—	—	—	—	—	0.09	0.09	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.68	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	219	219	< 0.005	< 0.005	0.25	220
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.13	0.03	1.97	0.92	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,740	1,740	0.08	0.28	1.47	1,826
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.58	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	203	203	< 0.005	< 0.005	0.01	204
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	2.08	0.93	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,740	1,740	0.08	0.28	0.04	1,826
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	49.0	49.0	< 0.005	< 0.005	0.03	49.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.49	0.22	< 0.005	0.01	0.48	0.48	0.01	0.12	0.13	—	415	415	0.02	0.07	0.15	436
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.11	8.11	< 0.005	< 0.005	< 0.005	8.14
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	68.8	68.8	< 0.005	0.01	0.03	72.2

3.8. 4-B (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.80	3.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	469	469	0.02	< 0.005	—	470
Dust From Material Movemer	—	—	—	—	—	—	0.20	0.20	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.15	0.60	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	77.6	77.6	< 0.005	< 0.005	—	77.9
Dust From Material Movemer	—	—	—	—	—	—	0.04	0.04	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.68	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	219	219	< 0.005	< 0.005	0.25	220
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	1.97	0.92	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,740	1,740	0.08	0.28	1.47	1,826
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.58	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	203	203	< 0.005	< 0.005	0.01	204
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	2.08	0.93	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,740	1,740	0.08	0.28	0.04	1,826
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	49.0	49.0	< 0.005	< 0.005	0.03	49.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.49	0.22	< 0.005	0.01	0.48	0.48	0.01	0.12	0.13	—	415	415	0.02	0.07	0.15	436
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.11	8.11	< 0.005	< 0.005	< 0.005	8.14
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	68.8	68.8	< 0.005	0.01	0.03	72.2

3.9. 4-B (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	1.37	1.15	12.0	17.5	0.02	0.29	—	0.29	0.27	—	0.27	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.37	1.15	12.0	17.5	0.02	0.29	—	0.29	0.27	—	0.27	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	0.34	3.56	5.20	0.01	0.09	—	0.09	0.08	—	0.08	—	753	753	0.03	0.01	—	756
Dust From Material Movemer	—	—	—	—	—	—	0.63	0.63	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.65	0.95	< 0.005	0.02	—	0.02	0.01	—	0.01	—	125	125	0.01	< 0.005	—	125

Dust From Material Movemer	—	—	—	—	—	—	0.12	0.12	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.03	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	217	217	< 0.005	< 0.005	0.21	218
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	0.03	1.93	0.89	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,707	1,707	0.08	0.28	1.26	1,793
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	2.03	0.89	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,708	1,708	0.08	0.28	0.03	1,793
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.17	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	60.5	60.5	< 0.005	< 0.005	0.03	60.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.60	0.27	< 0.005	0.01	0.59	0.60	0.01	0.15	0.16	—	508	508	0.03	0.08	0.16	533
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.0	10.0	< 0.005	< 0.005	< 0.005	10.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	84.1	84.1	< 0.005	0.01	0.03	88.3

3.10. 4-B (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.99	4.08	0.01	0.01	—	0.01	0.01	—	0.01	—	584	584	0.02	< 0.005	—	586
Dust From Material Movemer	—	—	—	—	—	—	0.25	0.25	—	0.03	0.03	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.18	0.74	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	96.7	96.7	< 0.005	< 0.005	—	97.0
Dust From Material Movemer	—	—	—	—	—	—	0.05	0.05	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.03	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	217	217	< 0.005	< 0.005	0.21	218
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	0.03	1.93	0.89	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,707	1,707	0.08	0.28	1.26	1,793
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	2.03	0.89	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,708	1,708	0.08	0.28	0.03	1,793
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.17	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	60.5	60.5	< 0.005	< 0.005	0.03	60.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.60	0.27	< 0.005	0.01	0.59	0.60	0.01	0.15	0.16	—	508	508	0.03	0.08	0.16	533
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.0	10.0	< 0.005	< 0.005	< 0.005	10.1

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	84.1	84.1	< 0.005	0.01	0.03	88.3

3.11. 4-L (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.25	1.05	7.78	11.7	0.02	0.31	—	0.31	0.28	—	0.28	—	2,455	2,455	0.10	0.02	—	2,463
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.96	1.44	< 0.005	0.04	—	0.04	0.03	—	0.03	—	303	303	0.01	< 0.005	—	304
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.18	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	50.1	50.1	< 0.005	< 0.005	—	50.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.23	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	73.0	73.0	< 0.005	< 0.005	0.08	73.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.43	8.43	< 0.005	< 0.005	< 0.005	8.47
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	1.40	1.40	< 0.005	< 0.005	< 0.005	1.40
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. 4-L (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	1.20	14.2	0.02	0.05	—	0.05	0.05	—	0.05	—	2,455	2,455	0.10	0.02	—	2,463

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.15	1.76	< 0.005	0.01	—	0.01	0.01	—	0.01	—	303	303	0.01	< 0.005	—	304
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.03	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	50.1	50.1	< 0.005	< 0.005	—	50.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.23	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	73.0	73.0	< 0.005	< 0.005	0.08	73.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.43	8.43	< 0.005	< 0.005	< 0.005	8.47
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	1.40	1.40	< 0.005	< 0.005	< 0.005	1.40
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. 4-N (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.93	0.77	6.54	9.54	0.02	0.13	—	0.13	0.12	—	0.12	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.40	0.58	< 0.005	0.01	—	0.01	0.01	—	0.01	—	109	109	< 0.005	< 0.005	—	110
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.1	18.1	< 0.005	< 0.005	—	18.2

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	0.97	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	338	338	0.01	< 0.005	0.01	339
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.43	0.10	6.88	3.07	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,757	5,757	0.28	0.92	0.13	6,039
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	20.7	20.7	< 0.005	< 0.005	0.01	20.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.41	0.19	< 0.005	0.01	0.40	0.41	0.01	0.10	0.11	—	349	349	0.02	0.06	0.13	366
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.44	3.44	< 0.005	< 0.005	< 0.005	3.45
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.08	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	57.8	57.8	< 0.005	0.01	0.02	60.7

3.14. 4-N (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.21	0.19	1.25	5.70	0.01	0.05	—	0.05	0.05	—	0.05	—	1,064	1,064	0.04	0.01	—	1,068
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.35	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	64.6	64.6	< 0.005	< 0.005	—	64.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.7	10.7	< 0.005	< 0.005	—	10.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	0.97	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	338	338	0.01	< 0.005	0.01	339
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.43	0.10	6.88	3.07	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,757	5,757	0.28	0.92	0.13	6,039
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	20.7	20.7	< 0.005	< 0.005	0.01	20.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.41	0.19	< 0.005	0.01	0.40	0.41	0.01	0.10	0.11	—	349	349	0.02	0.06	0.13	366

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.44	3.44	< 0.005	< 0.005	< 0.005	3.45
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.08	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	57.8	57.8	< 0.005	0.01	0.02	60.7

3.15. 4-N (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	0.76	6.44	9.44	0.02	0.12	—	0.12	0.11	—	0.11	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	0.76	6.44	9.44	0.02	0.12	—	0.12	0.11	—	0.11	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	0.54	4.60	6.74	0.01	0.09	—	0.09	0.08	—	0.08	—	1,286	1,286	0.05	0.01	—	1,291

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.84	1.23	< 0.005	0.02	—	0.02	0.01	—	0.01	—	213	213	0.01	< 0.005	—	214
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.04	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	362	362	< 0.005	< 0.005	0.36	363
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.39	0.10	6.37	2.95	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,645	5,645	0.28	0.92	4.18	5,931
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.08	0.06	0.94	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	335	335	0.01	< 0.005	0.01	337
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.38	0.10	6.73	2.93	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,648	5,648	0.28	0.92	0.11	5,930
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.66	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	242	242	< 0.005	< 0.005	0.11	243
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.27	0.07	4.74	2.11	0.04	0.07	4.72	4.79	0.07	1.21	1.28	—	4,033	4,033	0.20	0.66	1.29	4,236
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	40.1	40.1	< 0.005	< 0.005	0.02	40.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.87	0.39	0.01	0.01	0.86	0.87	0.01	0.22	0.23	—	668	668	0.03	0.11	0.21	701

3.16. 4-N (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.19	1.25	5.70	0.01	0.05	—	0.05	0.05	—	0.05	—	1,064	1,064	0.04	0.01	—	1,068
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.19	1.25	5.70	0.01	0.05	—	0.05	0.05	—	0.05	—	1,064	1,064	0.04	0.01	—	1,068
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.89	4.07	0.01	0.03	—	0.03	0.03	—	0.03	—	760	760	0.03	0.01	—	763
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.16	0.74	< 0.005	0.01	—	0.01	0.01	—	0.01	—	126	126	0.01	< 0.005	—	126

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.04	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	362	362	< 0.005	< 0.005	0.36	363
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.39	0.10	6.37	2.95	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,645	5,645	0.28	0.92	4.18	5,931
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.08	0.06	0.94	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	335	335	0.01	< 0.005	0.01	337
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.38	0.10	6.73	2.93	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,648	5,648	0.28	0.92	0.11	5,930
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.66	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	242	242	< 0.005	< 0.005	0.11	243
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.27	0.07	4.74	2.11	0.04	0.07	4.72	4.79	0.07	1.21	1.28	—	4,033	4,033	0.20	0.66	1.29	4,236
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	40.1	40.1	< 0.005	< 0.005	0.02	40.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.87	0.39	0.01	0.01	0.86	0.87	0.01	0.22	0.23	—	668	668	0.03	0.11	0.21	701

3.17. 4-N (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	6.38	9.41	0.02	0.12	—	0.12	0.11	—	0.11	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	6.38	9.41	0.02	0.12	—	0.12	0.11	—	0.11	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.23	1.90	2.80	0.01	0.03	—	0.03	0.03	—	0.03	—	536	536	0.02	< 0.005	—	538
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.35	0.51	< 0.005	0.01	—	0.01	0.01	—	0.01	—	88.7	88.7	< 0.005	< 0.005	—	89.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.09	0.08	0.04	1.08	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	359	359	< 0.005	< 0.005	0.30	360
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.39	0.10	6.27	2.81	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,552	5,552	0.28	0.87	3.61	5,823
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.91	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	333	333	0.01	< 0.005	0.01	334
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.38	0.10	6.63	2.84	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,555	5,555	0.28	0.87	0.09	5,822
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.27	0.00	0.00	0.50	0.50	0.00	0.12	0.12	—	100	100	< 0.005	< 0.005	0.04	100
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	1.93	0.84	0.01	0.03	1.97	1.99	0.03	0.51	0.53	—	1,652	1,652	0.08	0.26	0.46	1,732
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.05	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	16.6	16.6	< 0.005	< 0.005	0.01	16.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	0.01	0.35	0.15	< 0.005	0.01	0.36	0.36	0.01	0.09	0.10	—	273	273	0.01	0.04	0.08	287

3.18. 4-N (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.19	1.25	5.70	0.01	0.05	—	0.05	0.05	—	0.05	—	1,064	1,064	0.04	0.01	—	1,068

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.19	1.25	5.70	0.01	0.05	—	0.05	0.05	—	0.05	—	1,064	1,064	0.04	0.01	—	1,068
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.37	1.70	< 0.005	0.01	—	0.01	0.01	—	0.01	—	317	317	0.01	< 0.005	—	318
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	52.4	52.4	< 0.005	< 0.005	—	52.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.04	1.08	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	359	359	< 0.005	< 0.005	0.30	360
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.39	0.10	6.27	2.81	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,552	5,552	0.28	0.87	3.61	5,823
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.09	0.08	0.06	0.91	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	333	333	0.01	< 0.005	0.01	334
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.38	0.10	6.63	2.84	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,555	5,555	0.28	0.87	0.09	5,822
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.27	0.00	0.00	0.50	0.50	0.00	0.12	0.12	—	100	100	< 0.005	< 0.005	0.04	100
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	1.93	0.84	0.01	0.03	1.97	1.99	0.03	0.51	0.53	—	1,652	1,652	0.08	0.26	0.46	1,732
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.05	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	16.6	16.6	< 0.005	< 0.005	0.01	16.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	0.01	0.35	0.15	< 0.005	0.01	0.36	0.36	0.01	0.09	0.10	—	273	273	0.01	0.04	0.08	287

3.19. 4-D-1-A (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	0.97	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	338	338	0.01	< 0.005	0.01	339
Vendor	0.04	0.01	0.57	0.30	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	485	485	0.02	0.07	0.01	507
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	61.8	61.8	< 0.005	< 0.005	0.03	62.1
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	87.6	87.6	< 0.005	0.01	0.03	91.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	10.2	10.2	< 0.005	< 0.005	0.01	10.3
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	14.5	14.5	< 0.005	< 0.005	< 0.005	15.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.20. 4-D-1-A (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	0.97	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	338	338	0.01	< 0.005	0.01	339
Vendor	0.04	0.01	0.57	0.30	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	485	485	0.02	0.07	0.01	507
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	61.8	61.8	< 0.005	< 0.005	0.03	62.1
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	87.6	87.6	< 0.005	0.01	0.03	91.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	10.2	10.2	< 0.005	< 0.005	0.01	10.3
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	14.5	14.5	< 0.005	< 0.005	< 0.005	15.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. 4-D-1-C (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.18	4.32	41.6	60.7	0.13	0.71	—	0.71	0.66	—	0.66	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.18	4.32	41.6	60.7	0.13	0.71	—	0.71	0.66	—	0.66	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.70	3.09	29.7	43.4	0.10	0.51	—	0.51	0.47	—	0.47	—	9,623	9,623	0.39	0.08	—	9,656
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.56	5.42	7.91	0.02	0.09	—	0.09	0.09	—	0.09	—	1,593	1,593	0.06	0.01	—	1,599
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.07	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	579	579	0.01	0.01	0.57	581
Vendor	0.06	0.02	0.97	0.45	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,086	1,086	0.04	0.16	0.74	1,135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.13	0.10	1.50	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	537	537	0.01	0.01	0.01	538
Vendor	0.06	0.02	1.03	0.45	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,087	1,087	0.04	0.16	0.02	1,135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.07	1.06	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	388	388	0.01	< 0.005	0.18	389
Vendor	0.04	0.01	0.72	0.32	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	776	776	0.03	0.11	0.23	811
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	64.2	64.2	< 0.005	< 0.005	0.03	64.4
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	129	129	< 0.005	0.02	0.04	134
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.22. 4-D-1-C (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.59	3.07	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,231	6,231	0.25	0.05	—	6,252
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.56	6.09	0.01	0.02	—	0.02	0.02	—	0.02	—	1,032	1,032	0.04	0.01	—	1,035
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.07	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	579	579	0.01	0.01	0.57	581
Vendor	0.06	0.02	0.97	0.45	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,086	1,086	0.04	0.16	0.74	1,135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.13	0.10	1.50	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	537	537	0.01	0.01	0.01	538
Vendor	0.06	0.02	1.03	0.45	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,087	1,087	0.04	0.16	0.02	1,135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.07	1.06	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	388	388	0.01	< 0.005	0.18	389
Vendor	0.04	0.01	0.72	0.32	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	776	776	0.03	0.11	0.23	811
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	64.2	64.2	< 0.005	< 0.005	0.03	64.4
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	129	129	< 0.005	0.02	0.04	134
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.23. 4-D-1-C (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.14	4.29	41.2	60.4	0.13	0.69	—	0.69	0.64	—	0.64	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipmer	5.14 t	4.29	41.2	60.4	0.13	0.69	—	0.69	0.64	—	0.64	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	3.37	2.82	27.0	39.6	0.09	0.45	—	0.45	0.42	—	0.42	—	8,832	8,832	0.36	0.07	—	8,863
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.62	0.51	4.93	7.23	0.02	0.08	—	0.08	0.08	—	0.08	—	1,462	1,462	0.06	0.01	—	1,467
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.07	1.72	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	575	575	0.01	< 0.005	0.48	576
Vendor	0.06	0.02	0.95	0.43	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,056	1,056	0.04	0.16	0.61	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.10	1.46	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	533	533	0.01	0.01	0.01	534
Vendor	0.06	0.02	0.99	0.44	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,056	1,056	0.04	0.16	0.02	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.10	0.08	0.06	0.95	0.00	0.00	1.75	1.75	0.00	0.43	0.43	—	353	353	< 0.005	< 0.005	0.14	354
Vendor	0.04	0.01	0.64	0.28	0.01	0.01	0.98	0.99	0.01	0.25	0.26	—	692	692	0.03	0.10	0.17	724
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.17	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	58.4	58.4	< 0.005	< 0.005	0.02	58.7
Vendor	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.18	0.18	< 0.005	0.05	0.05	—	115	115	< 0.005	0.02	0.03	120
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.24. 4-D-1-C (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.54	0.54	2.82	30.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,719	5,719	0.23	0.05	—	5,738
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.10	0.51	5.59	0.01	0.02	—	0.02	0.02	—	0.02	—	947	947	0.04	0.01	—	950
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.07	1.72	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	575	575	0.01	< 0.005	0.48	576
Vendor	0.06	0.02	0.95	0.43	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,056	1,056	0.04	0.16	0.61	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.10	1.46	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	533	533	0.01	0.01	0.01	534
Vendor	0.06	0.02	0.99	0.44	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,056	1,056	0.04	0.16	0.02	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.08	0.06	0.95	0.00	0.00	1.75	1.75	0.00	0.43	0.43	—	353	353	< 0.005	< 0.005	0.14	354
Vendor	0.04	0.01	0.64	0.28	0.01	0.01	0.98	0.99	0.01	0.25	0.26	—	692	692	0.03	0.10	0.17	724
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.17	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	58.4	58.4	< 0.005	< 0.005	0.02	58.7
Vendor	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.18	0.18	< 0.005	0.05	0.05	—	115	115	< 0.005	0.02	0.03	120

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.25. 4-D-2-A (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.04	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	362	362	< 0.005	< 0.005	0.36	363
Vendor	0.04	0.01	0.53	0.28	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	470	470	0.02	0.07	0.31	491
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.10	0.08	0.06	0.94	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	335	335	0.01	< 0.005	0.01	337
Vendor	0.04	0.01	0.56	0.29	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	470	470	0.02	0.07	0.01	491
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.16	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	59.5	59.5	< 0.005	< 0.005	0.03	59.7
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	82.4	82.4	< 0.005	0.01	0.02	86.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.84	9.84	< 0.005	< 0.005	< 0.005	9.88
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	13.6	13.6	< 0.005	< 0.005	< 0.005	14.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.26. 4-D-2-A (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.04	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	362	362	< 0.005	< 0.005	0.36	363
Vendor	0.04	0.01	0.53	0.28	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	470	470	0.02	0.07	0.31	491
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.08	0.06	0.94	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	335	335	0.01	< 0.005	0.01	337
Vendor	0.04	0.01	0.56	0.29	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	470	470	0.02	0.07	0.01	491
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.16	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	59.5	59.5	< 0.005	< 0.005	0.03	59.7
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	82.4	82.4	< 0.005	0.01	0.02	86.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.84	9.84	< 0.005	< 0.005	< 0.005	9.88
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	13.6	13.6	< 0.005	< 0.005	< 0.005	14.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.27. 4-D-2-C (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.18	4.32	41.6	60.7	0.13	0.71	—	0.71	0.66	—	0.66	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.18	4.32	41.6	60.7	0.13	0.71	—	0.71	0.66	—	0.66	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.48	2.07	19.9	29.1	0.06	0.34	—	0.34	0.31	—	0.31	—	6,459	6,459	0.26	0.05	—	6,482
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	0.38	3.64	5.31	0.01	0.06	—	0.06	0.06	—	0.06	—	1,069	1,069	0.04	0.01	—	1,073
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.16	0.15	0.07	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	579	579	0.01	0.01	0.57	581
Vendor	0.06	0.02	0.97	0.45	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,086	1,086	0.04	0.16	0.74	1,135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.13	0.10	1.50	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	537	537	0.01	0.01	0.01	538
Vendor	0.06	0.02	1.03	0.45	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,087	1,087	0.04	0.16	0.02	1,135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.05	0.71	0.00	0.00	1.28	1.28	0.00	0.32	0.32	—	260	260	< 0.005	< 0.005	0.12	261
Vendor	0.03	0.01	0.49	0.22	0.01	0.01	0.72	0.72	0.01	0.18	0.19	—	521	521	0.02	0.08	0.15	544
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	43.1	43.1	< 0.005	< 0.005	0.02	43.2
Vendor	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	86.3	86.3	< 0.005	0.01	0.03	90.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.28. 4-D-2-C (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	2.06	22.4	0.04	0.08	—	0.08	0.08	—	0.08	—	4,182	4,182	0.17	0.03	—	4,197
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.38	4.09	0.01	0.01	—	0.01	0.01	—	0.01	—	692	692	0.03	0.01	—	695
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.07	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	579	579	0.01	0.01	0.57	581
Vendor	0.06	0.02	0.97	0.45	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,086	1,086	0.04	0.16	0.74	1,135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.16	0.13	0.10	1.50	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	537	537	0.01	0.01	0.01	538
Vendor	0.06	0.02	1.03	0.45	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,087	1,087	0.04	0.16	0.02	1,135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.05	0.71	0.00	0.00	1.28	1.28	0.00	0.32	0.32	—	260	260	< 0.005	< 0.005	0.12	261
Vendor	0.03	0.01	0.49	0.22	0.01	0.01	0.72	0.72	0.01	0.18	0.19	—	521	521	0.02	0.08	0.15	544
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	43.1	43.1	< 0.005	< 0.005	0.02	43.2
Vendor	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	86.3	86.3	< 0.005	0.01	0.03	90.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.29. 4-D-2-C (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.14	4.29	41.2	60.4	0.13	0.69	—	0.69	0.64	—	0.64	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	5.14	4.29	41.2	60.4	0.13	0.69	—	0.69	0.64	—	0.64	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.67	3.07	29.4	43.2	0.10	0.49	—	0.49	0.45	—	0.45	—	9,623	9,623	0.39	0.08	—	9,656
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.56	5.37	7.88	0.02	0.09	—	0.09	0.08	—	0.08	—	1,593	1,593	0.06	0.01	—	1,599
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.07	1.72	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	575	575	0.01	< 0.005	0.48	576
Vendor	0.06	0.02	0.95	0.43	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,056	1,056	0.04	0.16	0.61	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.10	1.46	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	533	533	0.01	0.01	0.01	534
Vendor	0.06	0.02	0.99	0.44	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,056	1,056	0.04	0.16	0.02	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.07	1.03	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	385	385	0.01	< 0.005	0.15	386
Vendor	0.04	0.01	0.70	0.31	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	754	754	0.03	0.11	0.19	789
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	63.7	63.7	< 0.005	< 0.005	0.02	63.9
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	125	125	< 0.005	0.02	0.03	131
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.30. 4-D-2-C (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.59	3.07	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,231	6,231	0.25	0.05	—	6,252
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.56	6.09	0.01	0.02	—	0.02	0.02	—	0.02	—	1,032	1,032	0.04	0.01	—	1,035
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.07	1.72	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	575	575	0.01	< 0.005	0.48	576
Vendor	0.06	0.02	0.95	0.43	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,056	1,056	0.04	0.16	0.61	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.10	1.46	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	533	533	0.01	0.01	0.01	534
Vendor	0.06	0.02	0.99	0.44	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,056	1,056	0.04	0.16	0.02	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.07	1.03	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	385	385	0.01	< 0.005	0.15	386
Vendor	0.04	0.01	0.70	0.31	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	754	754	0.03	0.11	0.19	789
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	63.7	63.7	< 0.005	< 0.005	0.02	63.9
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	125	125	< 0.005	0.02	0.03	131
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.31. 4-D-2-C (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.10	4.26	40.6	60.0	0.13	0.67	—	0.67	0.61	—	0.61	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.10	4.26	40.6	60.0	0.13	0.67	—	0.67	0.61	—	0.61	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	7.23	10.7	0.02	0.12	—	0.12	0.11	—	0.11	—	2,399	2,399	0.10	0.02	—	2,407
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.32	1.95	< 0.005	0.02	—	0.02	0.02	—	0.02	—	397	397	0.02	< 0.005	—	399
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.12	0.07	1.67	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	571	571	0.01	< 0.005	0.41	572
Vendor	0.05	0.02	0.92	0.42	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,028	1,028	0.03	0.16	0.49	1,077
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.10	1.41	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	529	529	0.01	0.01	0.01	531
Vendor	0.05	0.02	0.97	0.42	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,029	1,029	0.03	0.16	0.01	1,077
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.01	0.25	0.00	0.00	0.48	0.48	0.00	0.12	0.12	—	95.3	95.3	< 0.005	< 0.005	0.03	95.6
Vendor	0.01	< 0.005	0.17	0.08	< 0.005	< 0.005	0.27	0.27	< 0.005	0.07	0.07	—	183	183	0.01	0.03	0.04	192
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	15.8	15.8	< 0.005	< 0.005	0.01	15.8
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	30.3	30.3	< 0.005	< 0.005	0.01	31.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.32. 4-D-2-C (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	0.77	8.32	0.01	0.03	—	0.03	0.03	—	0.03	—	1,553	1,553	0.06	0.01	—	1,559
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.14	1.52	< 0.005	0.01	—	0.01	0.01	—	0.01	—	257	257	0.01	< 0.005	—	258
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.12	0.07	1.67	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	571	571	0.01	< 0.005	0.41	572
Vendor	0.05	0.02	0.92	0.42	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,028	1,028	0.03	0.16	0.49	1,077
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.10	1.41	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	529	529	0.01	0.01	0.01	531
Vendor	0.05	0.02	0.97	0.42	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,029	1,029	0.03	0.16	0.01	1,077
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.01	0.25	0.00	0.00	0.48	0.48	0.00	0.12	0.12	—	95.3	95.3	< 0.005	< 0.005	0.03	95.6
Vendor	0.01	< 0.005	0.17	0.08	< 0.005	< 0.005	0.27	0.27	< 0.005	0.07	0.07	—	183	183	0.01	0.03	0.04	192
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	15.8	15.8	< 0.005	< 0.005	0.01	15.8
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	30.3	30.3	< 0.005	< 0.005	0.01	31.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.33. 4-Q (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	1.67	0.78	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,472	1,472	0.07	0.24	1.24	1,545
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.02	1.76	0.78	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,473	1,473	0.07	0.24	0.03	1,545
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.04	0.47	0.01	0.01	1.01	1.03	0.01	0.26	0.27	—	882	882	0.04	0.14	0.32	925
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.19	0.09	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.05	—	146	146	0.01	0.02	0.05	153

3.34. 4-Q (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	1.67	0.78	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,472	1,472	0.07	0.24	1.24	1,545

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.02	1.76	0.78	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,473	1,473	0.07	0.24	0.03	1,545
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.04	0.47	0.01	0.01	1.01	1.03	0.01	0.26	0.27	—	882	882	0.04	0.14	0.32	925
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.19	0.09	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.05	—	146	146	0.01	0.02	0.05	153

3.35. 4-Q (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.03	1.63	0.75	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,444	1,444	0.07	0.24	1.07	1,517
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.72	0.75	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,445	1,445	0.07	0.24	0.03	1,517
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.21	0.54	0.01	0.02	1.21	1.23	0.02	0.31	0.33	—	1,032	1,032	0.05	0.17	0.33	1,084
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.22	0.10	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	171	171	0.01	0.03	0.05	179

3.36. 4-Q (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.03	1.63	0.75	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,444	1,444	0.07	0.24	1.07	1,517
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.72	0.75	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,445	1,445	0.07	0.24	0.03	1,517
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.21	0.54	0.01	0.02	1.21	1.23	0.02	0.31	0.33	—	1,032	1,032	0.05	0.17	0.33	1,084
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.22	0.10	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	171	171	0.01	0.03	0.05	179

3.37. 4-Q (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.03	1.60	0.72	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,420	1,420	0.07	0.22	0.92	1,490
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.70	0.73	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,421	1,421	0.07	0.22	0.02	1,489
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.19	0.52	0.01	0.02	1.21	1.23	0.02	0.31	0.33	—	1,015	1,015	0.05	0.16	0.28	1,064
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.22	0.09	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	168	168	0.01	0.03	0.05	176

3.38. 4-Q (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.03	1.60	0.72	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,420	1,420	0.07	0.22	0.92	1,490
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.70	0.73	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,421	1,421	0.07	0.22	0.02	1,489
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.19	0.52	0.01	0.02	1.21	1.23	0.02	0.31	0.33	—	1,015	1,015	0.05	0.16	0.28	1,064
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.22	0.09	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	168	168	0.01	0.03	0.05	176

3.39. 4-Q (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.03	1.58	0.70	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,399	1,399	0.06	0.22	0.79	1,468
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.08	0.02	1.67	0.70	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,400	1,400	0.06	0.22	0.02	1,468
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	0.02	1.07	0.46	0.01	0.02	1.11	1.12	0.02	0.29	0.30	—	917	917	0.04	0.15	0.22	962
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.20	0.08	< 0.005	< 0.005	0.20	0.21	< 0.005	0.05	0.05	—	152	152	0.01	0.02	0.04	159

3.40. 4-Q (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.03	1.58	0.70	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,399	1,399	0.06	0.22	0.79	1,468
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.02	1.67	0.70	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,400	1,400	0.06	0.22	0.02	1,468
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	0.02	1.07	0.46	0.01	0.02	1.11	1.12	0.02	0.29	0.30	—	917	917	0.04	0.15	0.22	962
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.20	0.08	< 0.005	< 0.005	0.20	0.21	< 0.005	0.05	0.05	—	152	152	0.01	0.02	0.04	159

3.41. 4-F-1-A (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.04	0.89	0.00	0.00	1.36	1.36	0.00	0.34	0.34	—	290	290	< 0.005	< 0.005	0.29	291
Vendor	0.04	0.01	0.53	0.28	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	470	470	0.02	0.07	0.31	491
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.75	0.00	0.00	1.36	1.36	0.00	0.34	0.34	—	268	268	< 0.005	< 0.005	0.01	269
Vendor	0.04	0.01	0.56	0.29	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	470	470	0.02	0.07	0.01	491
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	47.6	47.6	< 0.005	< 0.005	0.02	47.7
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	82.4	82.4	< 0.005	0.01	0.02	86.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	7.88	7.88	< 0.005	< 0.005	< 0.005	7.90
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	13.6	13.6	< 0.005	< 0.005	< 0.005	14.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.42. 4-F-1-A (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.04	0.89	0.00	0.00	1.36	1.36	0.00	0.34	0.34	—	290	290	< 0.005	< 0.005	0.29	291
Vendor	0.04	0.01	0.53	0.28	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	470	470	0.02	0.07	0.31	491
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.75	0.00	0.00	1.36	1.36	0.00	0.34	0.34	—	268	268	< 0.005	< 0.005	0.01	269
Vendor	0.04	0.01	0.56	0.29	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	470	470	0.02	0.07	0.01	491
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	47.6	47.6	< 0.005	< 0.005	0.02	47.7
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	82.4	82.4	< 0.005	0.01	0.02	86.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	7.88	7.88	< 0.005	< 0.005	< 0.005	7.90
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	13.6	13.6	< 0.005	< 0.005	< 0.005	14.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.43. 4-F-1-C (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.18	4.32	41.6	60.7	0.13	0.71	—	0.71	0.66	—	0.66	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipmer	5.18 t	4.32	41.6	60.7	0.13	0.71	—	0.71	0.66	—	0.66	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	2.48	2.07	19.9	29.1	0.06	0.34	—	0.34	0.31	—	0.31	—	6,459	6,459	0.26	0.05	—	6,482
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.45	0.38	3.64	5.31	0.01	0.06	—	0.06	0.06	—	0.06	—	1,069	1,069	0.04	0.01	—	1,073
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.07	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	579	579	0.01	0.01	0.57	581
Vendor	0.03	0.01	0.42	0.23	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	376	376	0.02	0.05	0.25	393
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.13	0.10	1.50	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	537	537	0.01	0.01	0.01	538
Vendor	0.03	0.01	0.45	0.23	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	376	376	0.02	0.05	0.01	393
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.07	0.06	0.05	0.71	0.00	0.00	1.28	1.28	0.00	0.32	0.32	—	260	260	< 0.005	< 0.005	0.12	261
Vendor	0.01	0.01	0.21	0.11	< 0.005	< 0.005	0.24	0.24	< 0.005	0.06	0.06	—	180	180	0.01	0.03	0.05	188
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	43.1	43.1	< 0.005	< 0.005	0.02	43.2
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	29.8	29.8	< 0.005	< 0.005	0.01	31.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.44. 4-F-1-C (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.40	0.40	2.06	22.4	0.04	0.08	—	0.08	0.08	—	0.08	—	4,182	4,182	0.17	0.03	—	4,197
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.38	4.09	0.01	0.01	—	0.01	0.01	—	0.01	—	692	692	0.03	0.01	—	695
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.07	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	579	579	0.01	0.01	0.57	581
Vendor	0.03	0.01	0.42	0.23	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	376	376	0.02	0.05	0.25	393
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.13	0.10	1.50	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	537	537	0.01	0.01	0.01	538
Vendor	0.03	0.01	0.45	0.23	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	376	376	0.02	0.05	0.01	393
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.05	0.71	0.00	0.00	1.28	1.28	0.00	0.32	0.32	—	260	260	< 0.005	< 0.005	0.12	261
Vendor	0.01	0.01	0.21	0.11	< 0.005	< 0.005	0.24	0.24	< 0.005	0.06	0.06	—	180	180	0.01	0.03	0.05	188
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	43.1	43.1	< 0.005	< 0.005	0.02	43.2
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	29.8	29.8	< 0.005	< 0.005	0.01	31.2

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.45. 4-F-1-C (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.14	4.29	41.2	60.4	0.13	0.69	—	0.69	0.64	—	0.64	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.14	4.29	41.2	60.4	0.13	0.69	—	0.69	0.64	—	0.64	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.67	3.07	29.4	43.2	0.10	0.49	—	0.49	0.45	—	0.45	—	9,623	9,623	0.39	0.08	—	9,656
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.67	0.56	5.37	7.88	0.02	0.09	—	0.09	0.08	—	0.08	—	1,593	1,593	0.06	0.01	—	1,599
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.07	1.72	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	575	575	0.01	< 0.005	0.48	576
Vendor	0.03	0.01	0.41	0.22	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	365	365	0.02	0.05	0.20	382
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.10	1.46	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	533	533	0.01	0.01	0.01	534
Vendor	0.03	0.01	0.43	0.23	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	366	366	0.02	0.05	0.01	383
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.07	1.03	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	385	385	0.01	< 0.005	0.15	386
Vendor	0.02	0.01	0.30	0.16	< 0.005	< 0.005	0.36	0.36	< 0.005	0.09	0.09	—	261	261	0.01	0.04	0.06	273
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	63.7	63.7	< 0.005	< 0.005	0.02	63.9
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	43.2	43.2	< 0.005	0.01	0.01	45.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.46. 4-F-1-C (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.59	3.07	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,231	6,231	0.25	0.05	—	6,252
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.56	6.09	0.01	0.02	—	0.02	0.02	—	0.02	—	1,032	1,032	0.04	0.01	—	1,035
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.07	1.72	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	575	575	0.01	< 0.005	0.48	576
Vendor	0.03	0.01	0.41	0.22	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	365	365	0.02	0.05	0.20	382
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.10	1.46	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	533	533	0.01	0.01	0.01	534
Vendor	0.03	0.01	0.43	0.23	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	366	366	0.02	0.05	0.01	383
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.07	1.03	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	385	385	0.01	< 0.005	0.15	386
Vendor	0.02	0.01	0.30	0.16	< 0.005	< 0.005	0.36	0.36	< 0.005	0.09	0.09	—	261	261	0.01	0.04	0.06	273
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	63.7	63.7	< 0.005	< 0.005	0.02	63.9
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	43.2	43.2	< 0.005	0.01	0.01	45.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.47. 4-F-1-C (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	5.10	4.26	40.6	60.0	0.13	0.67	—	0.67	0.61	—	0.61	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.10	4.26	40.6	60.0	0.13	0.67	—	0.67	0.61	—	0.61	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.52	1.27	12.1	17.8	0.04	0.20	—	0.20	0.18	—	0.18	—	4,007	4,007	0.16	0.03	—	4,021
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.23	2.20	3.26	0.01	0.04	—	0.04	0.03	—	0.03	—	663	663	0.03	0.01	—	666
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.12	0.07	1.67	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	571	571	0.01	< 0.005	0.41	572
Vendor	0.02	0.01	0.40	0.22	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	356	356	0.01	0.05	0.17	373
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.10	1.41	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	529	529	0.01	0.01	0.01	531
Vendor	0.02	0.01	0.42	0.22	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	357	357	0.01	0.05	< 0.005	373
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.42	0.00	0.00	0.79	0.79	0.00	0.20	0.20	—	159	159	< 0.005	< 0.005	0.05	160
Vendor	0.01	< 0.005	0.12	0.07	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.04	—	106	106	< 0.005	0.02	0.02	111
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.08	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	26.3	26.3	< 0.005	< 0.005	0.01	26.4
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	17.6	17.6	< 0.005	< 0.005	< 0.005	18.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.48. 4-F-1-C (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.25	1.28	13.9	0.02	0.05	—	0.05	0.05	—	0.05	—	2,595	2,595	0.11	0.02	—	2,604
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.23	2.53	< 0.005	0.01	—	0.01	0.01	—	0.01	—	430	430	0.02	< 0.005	—	431
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.12	0.07	1.67	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	571	571	0.01	< 0.005	0.41	572
Vendor	0.02	0.01	0.40	0.22	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	356	356	0.01	0.05	0.17	373
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.10	1.41	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	529	529	0.01	0.01	0.01	531
Vendor	0.02	0.01	0.42	0.22	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	357	357	0.01	0.05	< 0.005	373
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.04	0.04	0.02	0.42	0.00	0.00	0.79	0.79	0.00	0.20	0.20	—	159	159	< 0.005	< 0.005	0.05	160
Vendor	0.01	< 0.005	0.12	0.07	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.04	—	106	106	< 0.005	0.02	0.02	111
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.08	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	26.3	26.3	< 0.005	< 0.005	0.01	26.4
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	17.6	17.6	< 0.005	< 0.005	< 0.005	18.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.49. 4-P (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.34	3.47	6.41	0.01	0.07	—	0.07	0.07	—	0.07	—	991	991	0.04	0.01	—	994
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.34	3.47	6.41	0.01	0.07	—	0.07	0.07	—	0.07	—	991	991	0.04	0.01	—	994
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.83	1.53	< 0.005	0.02	—	0.02	0.02	—	0.02	—	236	236	0.01	< 0.005	—	237
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.15	0.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	39.1	39.1	< 0.005	< 0.005	—	39.2
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.43	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	144	144	< 0.005	< 0.005	0.12	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.37	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	133	133	< 0.005	< 0.005	< 0.005	134
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	32.1	32.1	< 0.005	< 0.005	0.01	32.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	5.31	5.31	< 0.005	< 0.005	< 0.005	5.33
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.50. 4-P (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.14	1.30	6.89	0.01	0.03	—	0.03	0.03	—	0.03	—	991	991	0.04	0.01	—	994
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.14	1.30	6.89	0.01	0.03	—	0.03	0.03	—	0.03	—	991	991	0.04	0.01	—	994
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.03	0.03	0.31	1.64	< 0.005	0.01	—	0.01	0.01	—	0.01	—	236	236	0.01	< 0.005	—	237
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	39.1	39.1	< 0.005	< 0.005	—	39.2
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.43	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	144	144	< 0.005	< 0.005	0.12	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.37	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	133	133	< 0.005	< 0.005	< 0.005	134
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	32.1	32.1	< 0.005	< 0.005	0.01	32.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	5.31	5.31	< 0.005	< 0.005	< 0.005	5.33
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.51. 4-O (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.75	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	58.8	58.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.75	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	58.8	58.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.18	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.8	31.8	< 0.005	< 0.005	—	31.9
Architectural Coatings	14.0	14.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.27	5.27	< 0.005	< 0.005	—	5.29
Architectural Coatings	2.56	2.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.28	0.00	0.00	0.44	0.44	0.00	0.11	0.11	—	93.4	93.4	< 0.005	< 0.005	0.08	93.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.44	0.44	0.00	0.11	0.11	—	86.5	86.5	< 0.005	< 0.005	< 0.005	86.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.06	0.00	0.00	0.10	0.10	0.00	0.03	0.03	—	20.9	20.9	< 0.005	< 0.005	0.01	20.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.45	3.45	< 0.005	< 0.005	< 0.005	3.47
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.52. 4-O (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	28.0	28.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	28.0	28.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	6.67	6.67	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	1.22	1.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.28	0.00	0.00	0.44	0.44	0.00	0.11	0.11	—	93.4	93.4	< 0.005	< 0.005	0.08	93.7

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.44	0.44	0.00	0.11	0.11	—	86.5	86.5	< 0.005	< 0.005	< 0.005	86.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.06	0.00	0.00	0.10	0.10	0.00	0.03	0.03	—	20.9	20.9	< 0.005	< 0.005	0.01	20.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.45	3.45	< 0.005	< 0.005	< 0.005	3.47
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.53. 4-E-1 (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.95	16.4	18.6	0.03	0.08	—	0.08	0.07	—	0.07	—	3,323	3,323	0.13	0.03	—	3,335

Architect Coatings	12.2	12.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.99	1.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	202	202	0.01	< 0.005	—	202
Architectural Coatings	0.74	0.74	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.18	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	33.4	33.4	< 0.005	< 0.005	—	33.5
Architectural Coatings	0.14	0.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.91	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	333	333	0.01	< 0.005	0.01	334
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.05	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	20.4	20.4	< 0.005	< 0.005	0.01	20.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.38	3.38	< 0.005	< 0.005	< 0.005	3.39
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.54. 4-E-1 (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	5.41	5.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.33	0.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.06	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.91	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	333	333	0.01	< 0.005	0.01	334
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.05	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	20.4	20.4	< 0.005	< 0.005	0.01	20.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.38	3.38	< 0.005	< 0.005	< 0.005	3.39
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.55. 4-E-1 (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.95	16.4	18.6	0.03	0.08	—	0.08	0.07	—	0.07	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	12.2	12.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.95	16.4	18.6	0.03	0.08	—	0.08	0.07	—	0.07	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	12.2	12.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	0.34	5.83	6.62	0.01	0.03	—	0.03	0.03	—	0.03	—	1,184	1,184	0.05	0.01	—	1,188
Architectural Coatings	4.35	4.35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	1.06	1.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	196	196	0.01	< 0.005	—	197
Architectural Coatings	0.79	0.79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.04	1.05	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	357	357	< 0.005	< 0.005	0.25	358
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.88	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	331	331	< 0.005	< 0.005	0.01	332
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.31	0.00	0.00	0.59	0.59	0.00	0.15	0.15	—	119	119	< 0.005	< 0.005	0.04	119
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.06	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	19.7	19.7	< 0.005	< 0.005	0.01	19.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.56. 4-E-1 (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	5.41	5.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	5.41	5.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	1.93	1.93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.35	0.35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.04	1.05	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	357	357	< 0.005	< 0.005	0.25	358

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.88	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	331	331	< 0.005	< 0.005	0.01	332
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.31	0.00	0.00	0.59	0.59	0.00	0.15	0.15	—	119	119	< 0.005	< 0.005	0.04	119
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.06	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	19.7	19.7	< 0.005	< 0.005	0.01	19.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.57. 4-E-2 (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.95	16.4	18.6	0.03	0.08	—	0.08	0.07	—	0.07	—	3,323	3,323	0.13	0.03	—	3,335

Architectural Coatings	12.2	12.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.95	16.4	18.6	0.03	0.08	—	0.08	0.07	—	0.07	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	12.2	12.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	0.40	6.87	7.80	0.01	0.03	—	0.03	0.03	—	0.03	—	1,393	1,393	0.06	0.01	—	1,398
Architectural Coatings	5.12	5.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	1.25	1.42	< 0.005	0.01	—	0.01	0.01	—	0.01	—	231	231	0.01	< 0.005	—	231

Architectural Coating	0.93	0.93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.04	1.05	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	357	357	< 0.005	< 0.005	0.25	358
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.88	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	331	331	< 0.005	< 0.005	0.01	332
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.37	0.00	0.00	0.70	0.70	0.00	0.17	0.17	—	140	140	< 0.005	< 0.005	0.05	141
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	23.2	23.2	< 0.005	< 0.005	0.01	23.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.58. 4-E-2 (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	5.41	5.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	5.41	5.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	2.27	2.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.41	0.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.04	1.05	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	357	357	< 0.005	< 0.005	0.25	358
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.88	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	331	331	< 0.005	< 0.005	0.01	332
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.37	0.00	0.00	0.70	0.70	0.00	0.17	0.17	—	140	140	< 0.005	< 0.005	0.05	141
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	23.2	23.2	< 0.005	< 0.005	0.01	23.3

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.59. 4-G (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.95	16.4	18.6	0.03	0.08	—	0.08	0.07	—	0.07	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	10.5	10.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.17	2.95	3.35	0.01	0.01	—	0.01	0.01	—	0.01	—	598	598	0.02	< 0.005	—	600
Architectural Coatings	1.89	1.89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.54	0.61	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	99.1	99.1	< 0.005	< 0.005	—	99.4
Architectural Coatings	0.35	0.35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.91	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	333	333	0.01	< 0.005	0.01	334
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.16	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	60.6	60.6	< 0.005	< 0.005	0.02	60.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.0	10.0	< 0.005	< 0.005	< 0.005	10.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.60. 4-G (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	4.68	4.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.84	0.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Architectural	0.15	0.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.91	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	333	333	0.01	< 0.005	0.01	334
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.16	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	60.6	60.6	< 0.005	< 0.005	0.02	60.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.0	10.0	< 0.005	< 0.005	< 0.005	10.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.61. 4-G (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.14	0.95	16.4	18.6	0.03	0.08	—	0.08	0.07	—	0.07	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	10.5	10.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.95	16.4	18.6	0.03	0.08	—	0.08	0.07	—	0.07	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	10.5	10.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	0.28	4.87	5.53	0.01	0.02	—	0.02	0.02	—	0.02	—	989	989	0.04	0.01	—	992
Architectural Coatings	3.13	3.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.89	1.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	164	164	0.01	< 0.005	—	164

Architect Coatings	0.57	0.57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.04	1.05	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	357	357	< 0.005	< 0.005	0.25	358
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.88	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	331	331	< 0.005	< 0.005	0.01	332
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.01	0.26	0.00	0.00	0.50	0.50	0.00	0.12	0.12	—	99.4	99.4	< 0.005	< 0.005	0.03	99.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	16.5	16.5	< 0.005	< 0.005	0.01	16.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.62. 4-G (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	4.68	4.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	4.68	4.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	1.39	1.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.25	0.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.04	1.05	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	357	357	< 0.005	< 0.005	0.25	358
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.88	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	331	331	< 0.005	< 0.005	0.01	332
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.01	0.26	0.00	0.00	0.50	0.50	0.00	0.12	0.12	—	99.4	99.4	< 0.005	< 0.005	0.03	99.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	16.5	16.5	< 0.005	< 0.005	0.01	16.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.63. 4-D-1-B (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.81	2.33	20.0	20.0	0.04	0.63	—	0.63	0.58	—	0.58	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.42	3.62	3.62	0.01	0.11	—	0.11	0.10	—	0.10	—	627	627	0.03	0.01	—	629
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.66	0.66	< 0.005	0.02	—	0.02	0.02	—	0.02	—	104	104	< 0.005	< 0.005	—	104
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.39	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	135	135	< 0.005	< 0.005	< 0.005	136
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	24.7	24.7	< 0.005	< 0.005	0.01	24.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.10	4.10	< 0.005	< 0.005	< 0.005	4.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.64. 4-D-1-B (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.38	2.00	17.1	20.4	0.04	0.59	—	0.59	0.54	—	0.54	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	0.36	3.10	3.70	0.01	0.11	—	0.11	0.10	—	0.10	—	627	627	0.03	0.01	—	629
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.57	0.67	< 0.005	0.02	—	0.02	0.02	—	0.02	—	104	104	< 0.005	< 0.005	—	104
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.39	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	135	135	< 0.005	< 0.005	< 0.005	136
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	24.7	24.7	< 0.005	< 0.005	0.01	24.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.10	4.10	< 0.005	< 0.005	< 0.005	4.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.65. 4-D-2-B (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.81	2.33	20.0	20.0	0.04	0.62	—	0.62	0.57	—	0.57	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.81	2.33	20.0	20.0	0.04	0.62	—	0.62	0.57	—	0.57	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	0.41	3.50	3.51	0.01	0.11	—	0.11	0.10	—	0.10	—	608	608	0.02	< 0.005	—	610
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.64	0.64	< 0.005	0.02	—	0.02	0.02	—	0.02	—	101	101	< 0.005	< 0.005	—	101

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.44	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	145	145	< 0.005	< 0.005	0.14	145
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.37	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	134	134	< 0.005	< 0.005	< 0.005	135
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	23.8	23.8	< 0.005	< 0.005	0.01	23.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	3.94	3.94	< 0.005	< 0.005	< 0.005	3.95
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.66. 4-D-2-B (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.38	2.00	17.1	20.4	0.04	0.59	—	0.59	0.54	—	0.54	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.38	2.00	17.1	20.4	0.04	0.59	—	0.59	0.54	—	0.54	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.35	3.00	3.58	0.01	0.10	—	0.10	0.09	—	0.09	—	608	608	0.02	< 0.005	—	610
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.55	0.65	< 0.005	0.02	—	0.02	0.02	—	0.02	—	101	101	< 0.005	< 0.005	—	101
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.04	0.04	0.02	0.44	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	145	145	< 0.005	< 0.005	0.14	145
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.37	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	134	134	< 0.005	< 0.005	< 0.005	135
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	23.8	23.8	< 0.005	< 0.005	0.01	23.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	3.94	3.94	< 0.005	< 0.005	< 0.005	3.95
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.67. 4-F-1-B (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.81	2.33	20.0	20.0	0.04	0.62	—	0.62	0.57	—	0.57	—	3,469	3,469	0.14	0.03	—	3,481

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.81	2.33	20.0	20.0	0.04	0.62	—	0.62	0.57	—	0.57	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	0.41	3.50	3.51	0.01	0.11	—	0.11	0.10	—	0.10	—	608	608	0.02	< 0.005	—	610
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.64	0.64	< 0.005	0.02	—	0.02	0.02	—	0.02	—	101	101	< 0.005	< 0.005	—	101
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.44	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	145	145	< 0.005	< 0.005	0.14	145
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.04	0.03	0.02	0.37	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	134	134	< 0.005	< 0.005	< 0.005	135
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	23.8	23.8	< 0.005	< 0.005	0.01	23.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	3.94	3.94	< 0.005	< 0.005	< 0.005	3.95
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.68. 4-F-1-B (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.38	2.00	17.1	20.4	0.04	0.59	—	0.59	0.54	—	0.54	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.38	2.00	17.1	20.4	0.04	0.59	—	0.59	0.54	—	0.54	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.35	3.00	3.58	0.01	0.10	—	0.10	0.09	—	0.09	—	608	608	0.02	< 0.005	—	610
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.55	0.65	< 0.005	0.02	—	0.02	0.02	—	0.02	—	101	101	< 0.005	< 0.005	—	101
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.44	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	145	145	< 0.005	< 0.005	0.14	145
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.37	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	134	134	< 0.005	< 0.005	< 0.005	135
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	23.8	23.8	< 0.005	< 0.005	0.01	23.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	3.94	3.94	< 0.005	< 0.005	< 0.005	3.95
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.69. 4-H (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.83	1.54	13.8	26.8	0.04	0.47	—	0.47	0.43	—	0.43	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.83	1.54	13.8	26.8	0.04	0.47	—	0.47	0.43	—	0.43	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	0.28	2.50	4.85	0.01	0.09	—	0.09	0.08	—	0.08	—	744	744	0.03	0.01	—	746
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.46	0.88	< 0.005	0.02	—	0.02	0.01	—	0.01	—	123	123	< 0.005	< 0.005	—	124
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.03	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	217	217	< 0.005	< 0.005	0.21	218
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	36.8	36.8	< 0.005	< 0.005	0.02	36.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.09	6.09	< 0.005	< 0.005	< 0.005	6.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.70. 4-H (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.58	5.20	0.01	0.01	—	0.01	0.01	—	0.01	—	744	744	0.03	0.01	—	746
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.95	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	123	123	< 0.005	< 0.005	—	124
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.03	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	217	217	< 0.005	< 0.005	0.21	218
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	36.8	36.8	< 0.005	< 0.005	0.02	36.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.09	6.09	< 0.005	< 0.005	< 0.005	6.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.71. 4-I (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.83	1.54	13.8	26.8	0.04	0.47	—	0.47	0.43	—	0.43	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.83	1.54	13.8	26.8	0.04	0.47	—	0.47	0.43	—	0.43	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	0.56	5.01	9.69	0.01	0.17	—	0.17	0.16	—	0.16	—	1,487	1,487	0.06	0.01	—	1,492

Dust From Material Movemer	—	—	—	—	—	—	1.15	1.15	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.91	1.77	< 0.005	0.03	—	0.03	0.03	—	0.03	—	246	246	0.01	< 0.005	—	247
Dust From Material Movemer	—	—	—	—	—	—	0.21	0.21	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.03	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	217	217	< 0.005	< 0.005	0.21	218
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	18.8	18.8	< 0.005	< 0.005	0.01	19.6
Hauling	0.02	< 0.005	0.28	0.13	< 0.005	< 0.005	0.30	0.30	< 0.005	0.08	0.08	—	249	249	0.01	0.04	0.18	261
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	18.8	18.8	< 0.005	< 0.005	< 0.005	19.7
Hauling	0.02	< 0.005	0.30	0.13	< 0.005	< 0.005	0.30	0.30	< 0.005	0.08	0.08	—	249	249	0.01	0.04	< 0.005	261
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.20	0.00	0.00	0.36	0.36	0.00	0.09	0.09	—	73.6	73.6	< 0.005	< 0.005	0.03	73.9
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	6.80	6.80	< 0.005	< 0.005	< 0.005	7.10

Hauling	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	89.9	89.9	< 0.005	0.01	0.03	94.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	12.2	12.2	< 0.005	< 0.005	0.01	12.2
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.13	1.13	< 0.005	< 0.005	< 0.005	1.18
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	14.9	14.9	< 0.005	< 0.005	< 0.005	15.6

3.72. 4-I (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	1.16	10.4	0.01	0.03	—	0.03	0.03	—	0.03	—	1,487	1,487	0.06	0.01	—	1,492
Dust From Material Movemer	—	—	—	—	—	—	0.45	0.45	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.21	1.90	< 0.005	0.01	—	0.01	0.01	—	0.01	—	246	246	0.01	< 0.005	—	247
Dust From Material Movemer	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.03	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	217	217	< 0.005	< 0.005	0.21	218
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	18.8	18.8	< 0.005	< 0.005	0.01	19.6
Hauling	0.02	< 0.005	0.28	0.13	< 0.005	< 0.005	0.30	0.30	< 0.005	0.08	0.08	—	249	249	0.01	0.04	0.18	261
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202

Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	18.8	18.8	< 0.005	< 0.005	< 0.005	19.7
Hauling	0.02	< 0.005	0.30	0.13	< 0.005	< 0.005	0.30	0.30	< 0.005	0.08	0.08	—	249	249	0.01	0.04	< 0.005	261
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.20	0.00	0.00	0.36	0.36	0.00	0.09	0.09	—	73.6	73.6	< 0.005	< 0.005	0.03	73.9
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	6.80	6.80	< 0.005	< 0.005	< 0.005	7.10
Hauling	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	89.9	89.9	< 0.005	0.01	0.03	94.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	12.2	12.2	< 0.005	< 0.005	0.01	12.2
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.13	1.13	< 0.005	< 0.005	< 0.005	1.18
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	14.9	14.9	< 0.005	< 0.005	< 0.005	15.6

3.73. 4-J (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.83	1.54	13.8	26.8	0.04	0.47	—	0.47	0.43	—	0.43	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.11	0.09	0.84	1.63	< 0.005	0.03	—	0.03	0.03	—	0.03	—	249	249	0.01	< 0.005	—	250
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	0.30	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	41.3	41.3	< 0.005	< 0.005	—	41.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	12.3	12.3	< 0.005	< 0.005	0.01	12.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.04	2.04	< 0.005	< 0.005	< 0.005	2.05
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.74. 4-J (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.19	1.74	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	249	249	0.01	< 0.005	—	250
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.3	41.3	< 0.005	< 0.005	—	41.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	12.3	12.3	< 0.005	< 0.005	0.01	12.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.04	2.04	< 0.005	< 0.005	< 0.005	2.05
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.75. 4-J (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.78	1.50	13.4	26.8	0.04	0.43	—	0.43	0.40	—	0.40	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.78	1.50	13.4	26.8	0.04	0.43	—	0.43	0.40	—	0.40	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	0.45	3.99	7.96	0.01	0.13	—	0.13	0.12	—	0.12	—	1,223	1,223	0.05	0.01	—	1,227
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.73	1.45	< 0.005	0.02	—	0.02	0.02	—	0.02	—	203	203	0.01	< 0.005	—	203
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.03	0.65	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	216	216	< 0.005	< 0.005	0.18	216
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.55	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	200	200	< 0.005	< 0.005	< 0.005	200
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02	0.01	0.01	0.16	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	60.1	60.1	< 0.005	< 0.005	0.02	60.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.94	9.94	< 0.005	< 0.005	< 0.005	9.98
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.76. 4-J (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.12	0.12	0.95	8.55	0.01	0.02	—	0.02	0.02	—	0.02	—	1,223	1,223	0.05	0.01	—	1,227
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.17	1.56	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	203	203	0.01	< 0.005	—	203
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.03	0.65	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	216	216	< 0.005	< 0.005	0.18	216
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.55	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	200	200	< 0.005	< 0.005	< 0.005	200
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.16	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	60.1	60.1	< 0.005	< 0.005	0.02	60.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.94	9.94	< 0.005	< 0.005	< 0.005	9.98
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.77. 4-K (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.00	1.68	15.5	30.8	0.04	0.48	—	0.48	0.44	—	0.44	—	4,744	4,744	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.00	1.68	15.5	30.8	0.04	0.48	—	0.48	0.44	—	0.44	—	4,744	4,744	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	0.41	3.77	7.52	0.01	0.12	—	0.12	0.11	—	0.11	—	1,157	1,157	0.05	0.01	—	1,161
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.09	0.07	0.69	1.37	< 0.005	0.02	—	0.02	0.02	—	0.02	—	191	191	0.01	< 0.005	—	192
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.03	0.75	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	251	251	< 0.005	< 0.005	0.21	252
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.64	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	233	233	< 0.005	< 0.005	0.01	234
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.15	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	57.4	57.4	< 0.005	< 0.005	0.02	57.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.51	9.51	< 0.005	< 0.005	< 0.005	9.54
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.78. 4-K (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.46	3.52	33.2	0.04	0.09	—	0.09	0.09	—	0.09	—	4,744	4,744	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.46	3.52	33.2	0.04	0.09	—	0.09	0.09	—	0.09	—	4,744	4,744	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.86	8.09	0.01	0.02	—	0.02	0.02	—	0.02	—	1,157	1,157	0.05	0.01	—	1,161
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	1.48	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	191	191	0.01	< 0.005	—	192
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.03	0.75	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	251	251	< 0.005	< 0.005	0.21	252
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.64	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	233	233	< 0.005	< 0.005	0.01	234
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.15	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	57.4	57.4	< 0.005	< 0.005	0.02	57.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.51	9.51	< 0.005	< 0.005	< 0.005	9.54
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
4-C	Demolition	6/1/2036	9/1/2036	5.00	66.0	—
4-A	Site Preparation	6/1/2036	9/1/2036	5.00	66.0	—
4-M	Site Preparation	9/1/2036	12/1/2036	5.00	66.0	—
4-B	Grading	9/1/2036	6/1/2037	5.00	196	—

4-L	Grading	7/1/2036	9/1/2036	5.00	45.0	—
4-N	Building Construction	12/1/2036	6/1/2038	5.00	392	—
4-D-1-A	Building Construction	10/1/2036	12/31/2036	5.00	66.0	—
4-D-1-C	Building Construction	1/1/2037	12/1/2038	5.00	500	—
4-D-2-A	Building Construction	2/1/2037	4/30/2037	5.00	64.0	—
4-D-2-C	Building Construction	5/1/2037	4/1/2039	5.00	501	—
4-Q	Building Construction	3/1/2036	12/1/2039	5.00	979	—
4-F-1-A	Building Construction	2/1/2037	4/30/2037	5.00	64.0	—
4-F-1-C	Building Construction	5/1/2037	6/1/2039	5.00	544	—
4-P	Paving	2/1/2038	6/1/2038	5.00	87.0	—
4-O	Architectural Coating	2/1/2038	6/1/2038	5.00	87.0	—
4-E-1	Architectural Coating	12/1/2038	7/1/2039	5.00	153	—
4-E-2	Architectural Coating	4/1/2039	11/1/2039	5.00	153	—
4-G	Architectural Coating	10/1/2038	6/1/2039	5.00	174	—
4-D-1-B	Trenching	10/1/2036	12/31/2036	5.00	66.0	—
4-D-2-B	Trenching	2/1/2037	4/30/2037	5.00	64.0	—
4-F-1-B	Trenching	2/1/2037	4/30/2037	5.00	64.0	—
4-H	Linear, Grubbing & Land Clearing	3/1/2037	6/1/2037	5.00	66.0	—
4-I	Linear, Grading & Excavation	6/1/2037	12/1/2037	5.00	132	—
4-J	Linear, Drainage, Utilities, & Sub-Grade	12/1/2037	6/1/2038	5.00	131	—
4-K	Linear, Paving	6/1/2038	10/1/2038	5.00	89.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

4-C	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
4-C	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
4-C	Concrete/Industrial Saws	Diesel	Average	4.00	4.00	33.0	0.73
4-C	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
4-A	Excavators	Diesel	Average	8.00	8.00	36.0	0.38
4-A	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
4-M	Rubber Tired Dozers	Diesel	Average	1.00	7.00	367	0.40
4-M	Tractors/Loaders/Back hoes	Diesel	Average	1.00	8.00	84.0	0.37
4-M	Graders	Diesel	Average	1.00	8.00	148	0.41
4-B	Excavators	Diesel	Average	8.00	8.00	36.0	0.38
4-B	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
4-L	Graders	Diesel	Average	1.00	8.00	148	0.41
4-L	Tractors/Loaders/Back hoes	Diesel	Average	2.00	7.00	84.0	0.37
4-L	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
4-N	Tractors/Loaders/Back hoes	Diesel	Average	1.00	6.00	84.0	0.37
4-N	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
4-N	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
4-N	Cranes	Diesel	Average	1.00	6.00	367	0.29
4-N	Welders	Diesel	Average	3.00	8.00	46.0	0.45
4-D-1-C	Cranes	Diesel	Average	7.00	8.00	367	0.29
4-D-1-C	Welders	Diesel	Average	12.0	8.00	46.0	0.45
4-D-1-C	Aerial Lifts	Diesel	Average	18.0	6.00	46.0	0.31
4-D-1-C	Air Compressors	Diesel	Average	6.00	2.00	37.0	0.48
4-D-1-C	Rough Terrain Forklifts	Diesel	Average	10.0	4.00	96.0	0.40
4-D-2-C	Cranes	Diesel	Average	7.00	8.00	367	0.29

4-D-2-C	Welders	Diesel	Average	12.0	8.00	46.0	0.45
4-D-2-C	Aerial Lifts	Diesel	Average	18.0	6.00	46.0	0.31
4-D-2-C	Air Compressors	Diesel	Average	6.00	2.00	37.0	0.48
4-D-2-C	Rough Terrain Forklifts	Diesel	Average	10.0	4.00	96.0	0.40
4-F-1-C	Cranes	Diesel	Average	7.00	8.00	367	0.29
4-F-1-C	Aerial Lifts	Diesel	Average	18.0	6.00	46.0	0.31
4-F-1-C	Welders	Diesel	Average	12.0	8.00	46.0	0.45
4-F-1-C	Air Compressors	Diesel	Average	6.00	2.00	37.0	0.48
4-F-1-C	Rough Terrain Forklifts	Diesel	Average	10.0	4.00	96.0	0.40
4-P	Pavers	Diesel	Average	1.00	6.00	81.0	0.42
4-P	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
4-P	Tractors/Loaders/Back hoes	Diesel	Average	1.00	8.00	84.0	0.37
4-P	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
4-P	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
4-O	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
4-E-1	Air Compressors	Diesel	Average	5.00	4.00	37.0	0.48
4-E-1	Aerial Lifts	Diesel	Average	13.0	12.0	46.0	0.31
4-E-2	Air Compressors	Diesel	Average	5.00	4.00	37.0	0.48
4-E-2	Aerial Lifts	Diesel	Average	13.0	12.0	46.0	0.31
4-G	Air Compressors	Diesel	Average	5.00	4.00	37.0	0.48
4-G	Aerial Lifts	Diesel	Average	13.0	12.0	46.0	0.31
4-D-1-B	Tractors/Loaders/Back hoes	Diesel	Average	6.00	5.00	84.0	0.37
4-D-1-B	Excavators	Diesel	Average	6.00	4.00	36.0	0.38
4-D-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
4-D-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
4-D-2-B	Tractors/Loaders/Back hoes	Diesel	Average	6.00	5.00	84.0	0.37

4-D-2-B	Excavators	Diesel	Average	6.00	4.00	36.0	0.38
4-D-2-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
4-D-2-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
4-F-1-B	Tractors/Loaders/Back hoes	Diesel	Average	6.00	5.00	84.0	0.37
4-F-1-B	Excavators	Diesel	Average	6.00	4.00	36.0	0.38
4-F-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
4-F-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
4-H	Graders	Diesel	Average	2.00	8.00	148	0.41
4-H	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
4-H	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
4-H	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
4-H	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
4-I	Graders	Diesel	Average	2.00	8.00	148	0.41
4-I	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
4-I	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
4-I	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
4-I	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
4-J	Graders	Diesel	Average	2.00	8.00	148	0.41
4-J	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
4-J	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
4-J	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
4-J	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
4-K	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
4-K	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
4-K	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37

4-K	Graders	Diesel	Average	2.00	8.00	148	0.41
4-K	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
4-K	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
4-C	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
4-C	Excavators	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
4-C	Concrete/Industrial Saws	Diesel	Tier 4 Final	4.00	4.00	33.0	0.73
4-C	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
4-A	Excavators	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
4-A	Excavators	Electric	Average	4.00	8.00	36.0	0.38
4-A	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
4-M	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	7.00	367	0.40
4-M	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
4-M	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
4-B	Excavators	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
4-B	Excavators	Electric	Average	4.00	8.00	36.0	0.38
4-B	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
4-L	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
4-L	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	84.0	0.37
4-L	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
4-N	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	6.00	84.0	0.37
4-N	Forklifts	Electric	Average	1.00	6.00	82.0	0.20
4-N	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74

4-N	Cranes	Diesel	Tier 4 Final	1.00	6.00	367	0.29
4-N	Welders	Electric	Average	3.00	8.00	46.0	0.45
4-D-1-C	Cranes	Diesel	Tier 4 Final	7.00	8.00	367	0.29
4-D-1-C	Welders	Electric	Average	12.0	8.00	46.0	0.45
4-D-1-C	Aerial Lifts	Electric	Average	18.0	6.00	46.0	0.31
4-D-1-C	Air Compressors	Electric	Average	6.00	2.00	37.0	0.48
4-D-1-C	Rough Terrain Forklifts	Diesel	Tier 4 Final	10.0	4.00	96.0	0.40
4-D-2-C	Cranes	Diesel	Tier 4 Final	7.00	8.00	367	0.29
4-D-2-C	Welders	Electric	Average	12.0	8.00	46.0	0.45
4-D-2-C	Aerial Lifts	Electric	Average	18.0	6.00	46.0	0.31
4-D-2-C	Air Compressors	Electric	Average	6.00	2.00	37.0	0.48
4-D-2-C	Rough Terrain Forklifts	Diesel	Tier 4 Final	10.0	4.00	96.0	0.40
4-F-1-C	Cranes	Diesel	Tier 4 Final	7.00	8.00	367	0.29
4-F-1-C	Aerial Lifts	Electric	Average	18.0	6.00	46.0	0.31
4-F-1-C	Welders	Electric	Average	12.0	8.00	46.0	0.45
4-F-1-C	Air Compressors	Electric	Average	6.00	2.00	37.0	0.48
4-F-1-C	Rough Terrain Forklifts	Diesel	Tier 4 Final	10.0	4.00	96.0	0.40
4-P	Pavers	Diesel	Tier 4 Final	1.00	6.00	81.0	0.42
4-P	Rollers	Diesel	Tier 4 Final	1.00	7.00	36.0	0.38
4-P	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
4-P	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
4-P	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
4-O	Air Compressors	Electric	Average	1.00	6.00	37.0	0.48
4-E-1	Air Compressors	Electric	Average	5.00	4.00	37.0	0.48
4-E-1	Aerial Lifts	Electric	Average	13.0	12.0	46.0	0.31
4-E-2	Air Compressors	Electric	Average	5.00	4.00	37.0	0.48
4-E-2	Aerial Lifts	Electric	Average	13.0	12.0	46.0	0.31

4-G	Air Compressors	Electric	Average	5.00	4.00	37.0	0.48
4-G	Aerial Lifts	Electric	Average	13.0	12.0	46.0	0.31
4-D-1-B	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	6.00	5.00	84.0	0.37
4-D-1-B	Excavators	Diesel	Tier 4 Final	6.00	4.00	36.0	0.38
4-D-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
4-D-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
4-D-2-B	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	6.00	5.00	84.0	0.37
4-D-2-B	Excavators	Diesel	Tier 4 Final	6.00	4.00	36.0	0.38
4-D-2-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
4-D-2-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
4-F-1-B	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	6.00	5.00	84.0	0.37
4-F-1-B	Excavators	Diesel	Tier 4 Final	6.00	4.00	36.0	0.38
4-F-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
4-F-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
4-H	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
4-H	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
4-H	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
4-H	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
4-H	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
4-I	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
4-I	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
4-I	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
4-I	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
4-I	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
4-J	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41

4-J	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
4-J	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
4-J	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
4-J	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
4-K	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
4-K	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
4-K	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
4-K	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
4-K	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
4-K	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
4-C	—	—	—	—
4-C	Worker	20.0	11.7	LDA,LDT1,LDT2
4-C	Vendor	0.00	8.40	HHDT,MHDT
4-C	Hauling	50.0	25.0	HHDT
4-C	Onsite truck	0.00	0.00	HHDT
4-A	—	—	—	—
4-A	Worker	30.0	11.7	LDA,LDT1,LDT2
4-A	Vendor	0.00	8.40	HHDT,MHDT
4-A	Hauling	26.0	25.0	HHDT
4-A	Onsite truck	0.00	0.00	HHDT
4-B	—	—	—	—
4-B	Worker	30.0	11.7	LDA,LDT1,LDT2

4-B	Vendor	0.00	8.40	HHDT,MHDT
4-B	Hauling	26.0	25.0	HHDT
4-B	Onsite truck	0.00	0.00	HHDT
4-D-1-A	—	—	—	—
4-D-1-A	Worker	50.0	11.7	LDA,LDT1,LDT2
4-D-1-A	Vendor	25.0	8.40	HHDT,MHDT
4-D-1-A	Hauling	0.00	20.0	HHDT
4-D-1-A	Onsite truck	0.00	0.00	HHDT
4-E-1	—	—	—	—
4-E-1	Worker	50.0	11.7	LDA,LDT1,LDT2
4-E-1	Vendor	0.00	8.40	HHDT,MHDT
4-E-1	Hauling	0.00	20.0	HHDT
4-E-1	Onsite truck	0.00	0.00	HHDT
4-H	—	—	—	—
4-H	Worker	30.0	11.7	LDA,LDT1,LDT2
4-H	Vendor	0.00	8.40	HHDT,MHDT
4-H	Hauling	0.00	20.0	HHDT
4-H	Onsite truck	0.00	0.00	HHDT
4-I	—	—	—	—
4-I	Worker	30.0	11.7	LDA,LDT1,LDT2
4-I	Vendor	1.00	8.40	HHDT,MHDT
4-I	Hauling	3.79	25.0	HHDT
4-I	Onsite truck	0.00	0.00	HHDT
4-J	—	—	—	—
4-J	Worker	30.0	11.7	LDA,LDT1,LDT2
4-J	Vendor	0.00	8.40	HHDT,MHDT
4-J	Hauling	0.00	25.0	HHDT
4-J	Onsite truck	0.00	0.00	HHDT

4-K	—	—	—	—
4-K	Worker	35.0	11.7	LDA,LDT1,LDT2
4-K	Vendor	0.00	8.40	HHDT,MHDT
4-K	Hauling	0.00	20.0	HHDT
4-K	Onsite truck	0.00	0.00	HHDT
4-O	—	—	—	—
4-O	Worker	13.0	11.7	LDA,LDT1,LDT2
4-O	Vendor	0.00	8.40	HHDT,MHDT
4-O	Hauling	0.00	20.0	HHDT
4-O	Onsite truck	0.00	0.00	HHDT
4-N	—	—	—	—
4-N	Worker	50.0	11.7	LDA,LDT1,LDT2
4-N	Vendor	0.00	8.40	HHDT,MHDT
4-N	Hauling	86.0	25.0	HHDT
4-N	Onsite truck	0.00	0.00	HHDT
4-D-1-C	—	—	—	—
4-D-1-C	Worker	80.0	11.7	LDA,LDT1,LDT2
4-D-1-C	Vendor	25.0	20.0	HHDT,MHDT
4-D-1-C	Hauling	0.00	20.0	HHDT
4-D-1-C	Onsite truck	0.00	0.00	HHDT
4-D-2-A	—	—	—	—
4-D-2-A	Worker	50.0	11.7	LDA,LDT1,LDT2
4-D-2-A	Vendor	25.0	8.40	HHDT,MHDT
4-D-2-A	Hauling	0.00	20.0	HHDT
4-D-2-A	Onsite truck	0.00	0.00	HHDT
4-D-2-C	—	—	—	—
4-D-2-C	Worker	80.0	11.7	LDA,LDT1,LDT2
4-D-2-C	Vendor	25.0	20.0	HHDT,MHDT

4-D-2-C	Hauling	0.00	20.0	HHDT
4-D-2-C	Onsite truck	0.00	0.00	HHDT
4-Q	—	—	—	—
4-Q	Worker	0.00	11.7	LDA,LDT1,LDT2
4-Q	Vendor	0.00	8.40	HHDT,MHDT
4-Q	Hauling	22.0	25.0	HHDT
4-Q	Onsite truck	0.00	0.00	HHDT
4-P	—	—	—	—
4-P	Worker	20.0	11.7	LDA,LDT1,LDT2
4-P	Vendor	0.00	8.40	HHDT,MHDT
4-P	Hauling	0.00	20.0	HHDT
4-P	Onsite truck	0.00	0.00	HHDT
4-E-2	—	—	—	—
4-E-2	Worker	50.0	11.7	LDA,LDT1,LDT2
4-E-2	Vendor	0.00	8.40	HHDT,MHDT
4-E-2	Hauling	0.00	20.0	HHDT
4-E-2	Onsite truck	0.00	0.00	HHDT
4-D-1-B	—	—	—	—
4-D-1-B	Worker	20.0	11.7	LDA,LDT1,LDT2
4-D-1-B	Vendor	0.00	8.40	HHDT,MHDT
4-D-1-B	Hauling	0.00	20.0	HHDT
4-D-1-B	Onsite truck	0.00	0.00	HHDT
4-D-2-B	—	—	—	—
4-D-2-B	Worker	20.0	11.7	LDA,LDT1,LDT2
4-D-2-B	Vendor	0.00	8.40	HHDT,MHDT
4-D-2-B	Hauling	0.00	20.0	HHDT
4-D-2-B	Onsite truck	0.00	0.00	HHDT
4-F-1-A	—	—	—	—

4-F-1-A	Worker	40.0	11.7	LDA,LDT1,LDT2
4-F-1-A	Vendor	25.0	8.40	HHDT,MHDT
4-F-1-A	Hauling	0.00	20.0	HHDT
4-F-1-A	Onsite truck	0.00	0.00	HHDT
4-F-1-C	—	—	—	—
4-F-1-C	Worker	80.0	11.7	LDA,LDT1,LDT2
4-F-1-C	Vendor	20.0	8.40	HHDT,MHDT
4-F-1-C	Hauling	0.00	20.0	HHDT
4-F-1-C	Onsite truck	0.00	0.00	HHDT
4-G	—	—	—	—
4-G	Worker	50.0	11.7	LDA,LDT1,LDT2
4-G	Vendor	0.00	8.40	HHDT,MHDT
4-G	Hauling	0.00	20.0	HHDT
4-G	Onsite truck	0.00	—	HHDT
4-F-1-B	—	—	—	—
4-F-1-B	Worker	20.0	11.7	LDA,LDT1,LDT2
4-F-1-B	Vendor	0.00	8.40	HHDT,MHDT
4-F-1-B	Hauling	0.00	20.0	HHDT
4-F-1-B	Onsite truck	0.00	0.00	HHDT
4-M	—	—	—	—
4-M	Worker	7.50	11.7	LDA,LDT1,LDT2
4-M	Vendor	0.00	8.40	HHDT,MHDT
4-M	Hauling	0.00	20.0	HHDT
4-M	Onsite truck	0.00	0.00	HHDT
4-L	—	—	—	—
4-L	Worker	10.0	11.7	LDA,LDT1,LDT2
4-L	Vendor	0.00	8.40	HHDT,MHDT
4-L	Hauling	0.00	20.0	HHDT

4-L	Onsite truck	0.00	0.00	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
4-C	—	—	—	—
4-C	Worker	20.0	11.7	LDA,LDT1,LDT2
4-C	Vendor	0.00	8.40	HHDT,MHDT
4-C	Hauling	50.0	25.0	HHDT
4-C	Onsite truck	0.00	0.00	HHDT
4-A	—	—	—	—
4-A	Worker	30.0	11.7	LDA,LDT1,LDT2
4-A	Vendor	0.00	8.40	HHDT,MHDT
4-A	Hauling	26.0	25.0	HHDT
4-A	Onsite truck	0.00	0.00	HHDT
4-B	—	—	—	—
4-B	Worker	30.0	11.7	LDA,LDT1,LDT2
4-B	Vendor	0.00	8.40	HHDT,MHDT
4-B	Hauling	26.0	25.0	HHDT
4-B	Onsite truck	0.00	0.00	HHDT
4-D-1-A	—	—	—	—
4-D-1-A	Worker	50.0	11.7	LDA,LDT1,LDT2
4-D-1-A	Vendor	25.0	8.40	HHDT,MHDT
4-D-1-A	Hauling	0.00	20.0	HHDT
4-D-1-A	Onsite truck	0.00	0.00	HHDT
4-E-1	—	—	—	—
4-E-1	Worker	50.0	11.7	LDA,LDT1,LDT2
4-E-1	Vendor	0.00	8.40	HHDT,MHDT
4-E-1	Hauling	0.00	20.0	HHDT

4-E-1	Onsite truck	0.00	0.00	HHDT
4-H	—	—	—	—
4-H	Worker	30.0	11.7	LDA,LDT1,LDT2
4-H	Vendor	0.00	8.40	HHDT,MHDT
4-H	Hauling	0.00	20.0	HHDT
4-H	Onsite truck	0.00	0.00	HHDT
4-I	—	—	—	—
4-I	Worker	30.0	11.7	LDA,LDT1,LDT2
4-I	Vendor	1.00	8.40	HHDT,MHDT
4-I	Hauling	3.79	25.0	HHDT
4-I	Onsite truck	0.00	0.00	HHDT
4-J	—	—	—	—
4-J	Worker	30.0	11.7	LDA,LDT1,LDT2
4-J	Vendor	0.00	8.40	HHDT,MHDT
4-J	Hauling	0.00	25.0	HHDT
4-J	Onsite truck	0.00	0.00	HHDT
4-K	—	—	—	—
4-K	Worker	35.0	11.7	LDA,LDT1,LDT2
4-K	Vendor	0.00	8.40	HHDT,MHDT
4-K	Hauling	0.00	20.0	HHDT
4-K	Onsite truck	0.00	0.00	HHDT
4-O	—	—	—	—
4-O	Worker	13.0	11.7	LDA,LDT1,LDT2
4-O	Vendor	0.00	8.40	HHDT,MHDT
4-O	Hauling	0.00	20.0	HHDT
4-O	Onsite truck	0.00	0.00	HHDT
4-N	—	—	—	—
4-N	Worker	50.0	11.7	LDA,LDT1,LDT2

4-N	Vendor	0.00	8.40	HHDT,MHDT
4-N	Hauling	86.0	25.0	HHDT
4-N	Onsite truck	0.00	0.00	HHDT
4-D-1-C	—	—	—	—
4-D-1-C	Worker	80.0	11.7	LDA,LDT1,LDT2
4-D-1-C	Vendor	25.0	20.0	HHDT,MHDT
4-D-1-C	Hauling	0.00	20.0	HHDT
4-D-1-C	Onsite truck	0.00	0.00	HHDT
4-D-2-A	—	—	—	—
4-D-2-A	Worker	50.0	11.7	LDA,LDT1,LDT2
4-D-2-A	Vendor	25.0	8.40	HHDT,MHDT
4-D-2-A	Hauling	0.00	20.0	HHDT
4-D-2-A	Onsite truck	0.00	0.00	HHDT
4-D-2-C	—	—	—	—
4-D-2-C	Worker	80.0	11.7	LDA,LDT1,LDT2
4-D-2-C	Vendor	25.0	20.0	HHDT,MHDT
4-D-2-C	Hauling	0.00	20.0	HHDT
4-D-2-C	Onsite truck	0.00	0.00	HHDT
4-Q	—	—	—	—
4-Q	Worker	0.00	11.7	LDA,LDT1,LDT2
4-Q	Vendor	0.00	8.40	HHDT,MHDT
4-Q	Hauling	22.0	25.0	HHDT
4-Q	Onsite truck	0.00	0.00	HHDT
4-P	—	—	—	—
4-P	Worker	20.0	11.7	LDA,LDT1,LDT2
4-P	Vendor	0.00	8.40	HHDT,MHDT
4-P	Hauling	0.00	20.0	HHDT
4-P	Onsite truck	0.00	0.00	HHDT

4-E-2	—	—	—	—
4-E-2	Worker	50.0	11.7	LDA,LDT1,LDT2
4-E-2	Vendor	0.00	8.40	HHDT,MHDT
4-E-2	Hauling	0.00	20.0	HHDT
4-E-2	Onsite truck	0.00	0.00	HHDT
4-D-1-B	—	—	—	—
4-D-1-B	Worker	20.0	11.7	LDA,LDT1,LDT2
4-D-1-B	Vendor	0.00	8.40	HHDT,MHDT
4-D-1-B	Hauling	0.00	20.0	HHDT
4-D-1-B	Onsite truck	0.00	0.00	HHDT
4-D-2-B	—	—	—	—
4-D-2-B	Worker	20.0	11.7	LDA,LDT1,LDT2
4-D-2-B	Vendor	0.00	8.40	HHDT,MHDT
4-D-2-B	Hauling	0.00	20.0	HHDT
4-D-2-B	Onsite truck	0.00	0.00	HHDT
4-F-1-A	—	—	—	—
4-F-1-A	Worker	40.0	11.7	LDA,LDT1,LDT2
4-F-1-A	Vendor	25.0	8.40	HHDT,MHDT
4-F-1-A	Hauling	0.00	20.0	HHDT
4-F-1-A	Onsite truck	0.00	0.00	HHDT
4-F-1-C	—	—	—	—
4-F-1-C	Worker	80.0	11.7	LDA,LDT1,LDT2
4-F-1-C	Vendor	20.0	8.40	HHDT,MHDT
4-F-1-C	Hauling	0.00	20.0	HHDT
4-F-1-C	Onsite truck	0.00	0.00	HHDT
4-G	—	—	—	—
4-G	Worker	50.0	11.7	LDA,LDT1,LDT2
4-G	Vendor	0.00	8.40	HHDT,MHDT

4-G	Hauling	0.00	20.0	HHDT
4-G	Onsite truck	0.00	—	HHDT
4-F-1-B	—	—	—	—
4-F-1-B	Worker	20.0	11.7	LDA,LDT1,LDT2
4-F-1-B	Vendor	0.00	8.40	HHDT,MHDT
4-F-1-B	Hauling	0.00	20.0	HHDT
4-F-1-B	Onsite truck	0.00	0.00	HHDT
4-M	—	—	—	—
4-M	Worker	7.50	11.7	LDA,LDT1,LDT2
4-M	Vendor	0.00	8.40	HHDT,MHDT
4-M	Hauling	0.00	20.0	HHDT
4-M	Onsite truck	0.00	0.00	HHDT
4-L	—	—	—	—
4-L	Worker	10.0	11.7	LDA,LDT1,LDT2
4-L	Vendor	0.00	8.40	HHDT,MHDT
4-L	Hauling	0.00	20.0	HHDT
4-L	Onsite truck	0.00	0.00	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
4-E-1	0.00	0.00	264,375	92,500	0.00
4-E-2	0.00	0.00	264,375	92,500	0.00
4-O	0.00	0.00	945,000	105,000	0.00

4-G	263,250	87,750	0.00	0.00	0.00

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
4-A	0.00	0.00	4.78	0.00	—
4-B	38,566	0.00	0.00	0.00	—
4-P	0.00	0.00	0.00	0.00	0.00
4-I	6,000	0.00	0.00	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Office Park	0.00	0%
Research & Development	0.00	0%
University/College (4yr)	0.00	0%
General Office Building	0.00	0%
Regional Shopping Center	0.00	0%
Hotel	0.00	0%
Apartments Mid Rise	—	0%
Enclosed Parking with Elevator	0.00	100%
Parking Lot	0.00	100%
Road Construction	0.00	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2036	0.00	1.79	0.00	0.00
2037	500,000	1.79	0.00	0.00
2038	500,000	1.79	0.00	0.00
2039	250,000	1.79	0.00	0.00

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	Project in urban environment
Land Use	Office acres include acres for office, R&D, and academic. Active use acres partially shared with R&D acres. Linear acres includes Girard and utility improvements. No conference, hotel, or surface parking during Phase 4.
Construction: Construction Phases	Data provided by SKS
Construction: Off-Road Equipment	Data provided by SKS.
Construction: Dust From Material Movement	Data provided by SKS.
Construction: Trips and VMT	Data provided by SKS. Defaults used where project-specific data were not available.
Construction: Paving	Data provided by SKS
Construction: On-Road Fugitive Dust	Silt loading modified per BAAQMD CEQA Guidelines.
Construction: Architectural Coatings	Distributed coating square footages to phases based on buildings constructed in each phase.
Construction: Demolition	Data provided by SKS.
Construction: Electricity	Per PG&E's 2023 PCL adjusted to account for RPS. CO2 is CO2e. 2036 consumption included in Phase 3.

E1.1.5 Adjusted Mobile-Source ROG, NO_X, and PM Emission Factors and Calculations

This section provides the revised ROG, NO_X, and PM mobile-source emissions calculations for construction of the CEQA Reduced Density Alternative (with and without the variant). Emission factors were developed for each of the CalEEMod construction vehicle fleet mixes (i.e., worker, vendor, and haul) (see Section A.1.1.6). Adjusted ROG, NO_X, and PM mobile-source emissions were estimated by multiplying the adjusted emission factors by the CalEEMod trip and milage inventory. Total annual construction emissions from the CalEEMod output were revised, based on the difference in mobile-source emissions between the adjusted (i.e., off-model) and unadjusted (i.e., CalEEMod) results. The revised results were then used to calculate average daily emissions for report presentation.

Phase Name	Start Date	End Date	Year	Workdays	Source Type	Trips/day	Miles/trip	ROG (ton/yr)	NOx (ton/yr)	PM10E (ton/yr)	PM10D (ton/yr)	PM10T (ton/yr)	PM2.5E (ton/yr)	PM2.5D (ton/yr)	PM2.5T (ton/yr)
1-C	6/1/2026	1/1/2027	2026	154	Worker	20	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
1-C	6/1/2026	1/1/2027	2026	154	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-C	6/1/2026	1/1/2027	2026	154	Hauling	50	25	0.01	0.42	0.01	0.30	0.30	0.01	0.08	0.08
1-C	6/1/2026	1/1/2027	2027	1	Worker	20	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-C	6/1/2026	1/1/2027	2027	1	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-C	6/1/2026	1/1/2027	2027	1	Hauling	50	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-A	6/1/2026	1/1/2027	2026	154	Worker	30	11.7	0.01	0.01	0.00	0.08	0.08	0.00	0.02	0.02
1-A	6/1/2026	1/1/2027	2026	154	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-A	6/1/2026	1/1/2027	2026	154	Hauling	26	25	0.00	0.22	0.00	0.15	0.16	0.00	0.04	0.04
1-A	6/1/2026	1/1/2027	2027	1	Worker	30	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-A	6/1/2026	1/1/2027	2027	1	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-A	6/1/2026	1/1/2027	2027	1	Hauling	26	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-K	5/15/2028	7/1/2028	2028	35	Worker	30	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00
1-K	5/15/2028	7/1/2028	2028	35	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-K	5/15/2028	7/1/2028	2028	35	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-B	9/1/2026	6/1/2027	2026	88	Worker	30	11.7	0.00	0.00	0.00	0.04	0.04	0.00	0.01	0.01
1-B	9/1/2026	6/1/2027	2026	88	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-B	9/1/2026	6/1/2027	2026	88	Hauling	26	25	0.00	0.12	0.00	0.09	0.09	0.00	0.02	0.02
1-B	9/1/2026	6/1/2027	2027	108	Worker	30	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
1-B	9/1/2026	6/1/2027	2027	108	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-B	9/1/2026	6/1/2027	2027	108	Hauling	26	25	0.00	0.15	0.00	0.11	0.11	0.00	0.03	0.03
1-J	5/1/2028	6/1/2028	2028	24	Worker	30	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
1-J	5/1/2028	6/1/2028	2028	24	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-J	5/1/2028	6/1/2028	2028	24	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-D-1-A	1/1/2027	3/31/2027	2027	64	Worker	50	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
1-D-1-A	1/1/2027	3/31/2027	2027	64	Vendor	25	8.4	0.00	0.03	0.00	0.02	0.02	0.00	0.01	0.01
1-D-1-A	1/1/2027	3/31/2027	2027	64	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-D-1-C	4/1/2027	10/30/2029	2027	197	Worker	80	11.7	0.02	0.02	0.00	0.26	0.26	0.00	0.07	0.07
1-D-1-C	4/1/2027	10/30/2029	2027	197	Vendor	25	20	0.00	0.16	0.00	0.15	0.15	0.00	0.04	0.04
1-D-1-C	4/1/2027	10/30/2029	2027	197	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-D-1-C	4/1/2027	10/30/2029	2028	260	Worker	80	11.7	0.03	0.02	0.00	0.35	0.35	0.00	0.09	0.09
1-D-1-C	4/1/2027	10/30/2029	2028	260	Vendor	25	20	0.00	0.20	0.00	0.20	0.20	0.00	0.05	0.05
1-D-1-C	4/1/2027	10/30/2029	2028	260	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-D-1-C	4/1/2027	10/30/2029	2029	217	Worker	80	11.7	0.02	0.02	0.00	0.29	0.29	0.00	0.07	0.07
1-D-1-C	4/1/2027	10/30/2029	2029	217	Vendor	25	20	0.00	0.15	0.00	0.16	0.16	0.00	0.04	0.04
1-D-1-C	4/1/2027	10/30/2029	2029	217	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-D-2-A	6/1/2027	8/31/2027	2027	66	Worker	50	11.7	0.00	0.00	0.00	0.05	0.06	0.00	0.01	0.01
1-D-2-A	6/1/2027	8/31/2027	2027	66	Vendor	25	8.4	0.00	0.03	0.00	0.02	0.02	0.00	0.01	0.01
1-D-2-A	6/1/2027	8/31/2027	2027	66	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-D-2-C	9/1/2027	4/1/2030	2027	88	Worker	80	11.7	0.01	0.01	0.00	0.12	0.12	0.00	0.03	0.03
1-D-2-C	9/1/2027	4/1/2030	2027	88	Vendor	25	20	0.00	0.07	0.00	0.07	0.07	0.00	0.02	0.02
1-D-2-C	9/1/2027	4/1/2030	2027	88	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-D-2-C	9/1/2027	4/1/2030	2028	260	Worker	80	11.7	0.03	0.02	0.00	0.35	0.35	0.00	0.09	0.09
1-D-2-C	9/1/2027	4/1/2030	2028	260	Vendor	25	20	0.00	0.20	0.00	0.20	0.20	0.00	0.05	0.05
1-D-2-C	9/1/2027	4/1/2030	2028	260	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-D-2-C	9/1/2027	4/1/2030	2029	261	Worker	80	11.7	0.03	0.02	0.00	0.35	0.35	0.00	0.09	0.09
1-D-2-C	9/1/2027	4/1/2030	2029	261	Vendor	25	20	0.00	0.19	0.00	0.20	0.20	0.00	0.05	0.05
1-D-2-C	9/1/2027	4/1/2030	2029	261	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-D-2-C	9/1/2027	4/1/2030	2030	65	Worker	80	11.7	0.01	0.00	0.00	0.09	0.09	0.00	0.02	0.02
1-D-2-C	9/1/2027	4/1/2030	2030	65	Vendor	25	20	0.00	0.04	0.00	0.05	0.05	0.00	0.01	0.01
1-D-2-C	9/1/2027	4/1/2030	2030	65	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-M	6/1/2026	12/1/2030	2026	154	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-M	6/1/2026	12/1/2030	2026	154	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-M	6/1/2026	12/1/2030	2026	154	Hauling	22	25	0.00	0.18	0.00	0.13	0.13	0.00	0.03	0.04
1-M	6/1/2026	12/1/2030	2027	261	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-M	6/1/2026	12/1/2030	2027	261	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-M	6/1/2026	12/1/2030	2027	261	Hauling	22	25	0.00	0.30	0.00	0.22	0.22	0.00	0.06	0.06
1-M	6/1/2026	12/1/2030	2028	260	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-M	6/1/2026	12/1/2030	2028	260	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-M	6/1/2026	12/1/2030	2028	260	Hauling	22	25	0.00	0.29	0.00	0.22	0.22	0.00	0.06	0.06
1-M	6/1/2026	12/1/2030	2029	261	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-M	6/1/2026	12/1/2030	2029	261	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-M	6/1/2026	12/1/2030	2029	261	Hauling	22	25	0.00	0.28	0.00	0.22	0.22	0.00	0.06	0.06
1-M	6/1/2026	12/1/2030	2030	239	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-M	6/1/2026	12/1/2030	2030	239	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-M	6/1/2026	12/1/2030	2030	239	Hauling	22	25	0.00	0.25	0.00	0.20	0.21	0.00	0.05	0.05
1-L	6/15/2028	8/1/2028	2028	34	Worker	35	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00
1-L	6/15/2028	8/1/2028	2028	34	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-L	6/15/2028	8/1/2028	2028	34	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-E-1	10/30/2029	5/1/2030	2029	45	Worker	50	11.7	0.00	0.00	0.00	0.04	0.04	0.00	0.01	0.01
1-E-1	10/30/2029	5/1/2030	2029	45	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-E-1	10/30/2029	5/1/2030	2029	45	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-E-1	10/30/2029	5/1/2030	2030	87	Worker	50	11.7	0.01	0.00	0.00	0.07	0.07	0.00	0.02	0.02
1-E-1	10/30/2029	5/1/2030	2030	87	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-E-1	10/30/2029	5/1/2030	2030	87	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-E-2	4/1/2030	11/1/2030	2030	155	Worker	50	11.7	0.01	0.01	0.00	0.13	0.13	0.00	0.03	0.03
1-E-2	4/1/2030	11/1/2030	2030	155	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-E-2	4/1/2030	11/1/2030	2030	155	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-D-1-B	1/1/2027	3/31/2027	2027	64	Worker	20	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.01
1-D-1-B	1/1/2027	3/31/2027	2027	64	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-D-1-B	1/1/2027	3/31/2027	2027	64	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-D-2-B	6/1/2027	8/31/2027	2027	66	Worker	20	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.01

1-D-2-B	6/1/2027	8/31/2027	2027	66	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-D-2-B	6/1/2027	8/31/2027	2027	66	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-F	6/1/2026	10/1/2027	2026	154	Worker	30	11.7	0.01	0.01	0.00	0.08	0.08	0.00	0.02	0.02
1-F	6/1/2026	10/1/2027	2026	154	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-F	6/1/2026	10/1/2027	2026	154	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-F	6/1/2026	10/1/2027	2027	196	Worker	30	11.7	0.01	0.01	0.00	0.10	0.10	0.00	0.02	0.02
1-F	6/1/2026	10/1/2027	2027	196	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-F	6/1/2026	10/1/2027	2027	196	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-G	10/1/2027	12/30/2027	2027	65	Worker	30	11.7	0.00	0.00	0.00	0.03	0.03	0.00	0.01	0.01
1-G	10/1/2027	12/30/2027	2027	65	Vendor	1	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-G	10/1/2027	12/30/2027	2027	65	Hauling	7	25	0.00	0.02	0.00	0.02	0.02	0.00	0.00	0.00
1-H	1/1/2027	6/1/2027	2027	108	Worker	30	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
1-H	1/1/2027	6/1/2027	2027	108	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-H	1/1/2027	6/1/2027	2027	108	Hauling	12	25	0.00	0.07	0.00	0.05	0.05	0.00	0.01	0.01
1-I	6/1/2027	1/7/2028	2027	154	Worker	35	11.7	0.01	0.01	0.00	0.09	0.09	0.00	0.02	0.02
1-I	6/1/2027	1/7/2028	2027	154	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-I	6/1/2027	1/7/2028	2027	154	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-I	6/1/2027	1/7/2028	2028	5	Worker	35	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-I	6/1/2027	1/7/2028	2028	5	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1-I	6/1/2027	1/7/2028	2028	5	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Name	Start Date	End Date	Year	Workdays	Source Type	Trips/day	Miles/trip	ROG (ton/yr)	NOx (ton/yr)	PM10E (ton/yr)	PM10D (ton/yr)	PM10T (ton/yr)	PM2.5E (ton/yr)	PM2.5D (ton/yr)	PM2.5T (ton/yr)
2-C	6/1/2030	9/1/2030	2030	65	Worker	20	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.01
2-C	6/1/2030	9/1/2030	2030	65	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-C	6/1/2030	9/1/2030	2030	65	Hauling	50	25	0.00	0.15	0.00	0.12	0.13	0.00	0.03	0.03
2-A	6/1/2030	9/1/2030	2030	65	Worker	30	11.7	0.00	0.00	0.00	0.03	0.03	0.00	0.01	0.01
2-A	6/1/2030	9/1/2030	2030	65	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-A	6/1/2030	9/1/2030	2030	65	Hauling	14	25	0.00	0.04	0.00	0.03	0.04	0.00	0.01	0.01
2-O	2/1/2032	6/1/2032	2032	87	Worker	30	11.7	0.00	0.00	0.00	0.04	0.04	0.00	0.01	0.01
2-O	2/1/2032	6/1/2032	2032	87	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-O	2/1/2032	6/1/2032	2032	87	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-B	9/1/2030	6/1/2031	2030	87	Worker	30	11.7	0.00	0.00	0.00	0.04	0.04	0.00	0.01	0.01
2-B	9/1/2030	6/1/2031	2030	87	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-B	9/1/2030	6/1/2031	2030	87	Hauling	14	25	0.00	0.06	0.00	0.05	0.05	0.00	0.01	0.01
2-B	9/1/2030	6/1/2031	2031	108	Worker	30	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
2-B	9/1/2030	6/1/2031	2031	108	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-B	9/1/2030	6/1/2031	2031	108	Hauling	14	25	0.00	0.07	0.00	0.06	0.06	0.00	0.01	0.02
2-N	12/1/2031	2/1/2032	2031	23	Worker	30	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
2-N	12/1/2031	2/1/2032	2031	23	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-N	12/1/2031	2/1/2032	2031	23	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-N	12/1/2031	2/1/2032	2032	22	Worker	30	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
2-N	12/1/2031	2/1/2032	2032	22	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-N	12/1/2031	2/1/2032	2032	22	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-D-1-A	10/1/2030	12/31/2030	2030	66	Worker	50	11.7	0.00	0.00	0.00	0.05	0.06	0.00	0.01	0.01
2-D-1-A	10/1/2030	12/31/2030	2030	66	Vendor	25	8.4	0.00	0.02	0.00	0.02	0.02	0.00	0.01	0.01
2-D-1-A	10/1/2030	12/31/2030	2030	66	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-D-1-C	1/1/2031	12/1/2032	2031	261	Worker	80	11.7	0.02	0.02	0.00	0.35	0.35	0.00	0.09	0.09
2-D-1-C	1/1/2031	12/1/2032	2031	261	Vendor	25	20	0.00	0.17	0.00	0.20	0.20	0.00	0.05	0.05
2-D-1-C	1/1/2031	12/1/2032	2031	261	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-D-1-C	1/1/2031	12/1/2032	2032	240	Worker	80	11.7	0.02	0.01	0.00	0.32	0.32	0.00	0.08	0.08
2-D-1-C	1/1/2031	12/1/2032	2032	240	Vendor	25	20	0.00	0.15	0.00	0.18	0.18	0.00	0.05	0.05
2-D-1-C	1/1/2031	12/1/2032	2032	240	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-D-2-A	2/1/2031	4/30/2031	2031	63	Worker	50	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
2-D-2-A	2/1/2031	4/30/2031	2031	63	Vendor	25	8.4	0.00	0.02	0.00	0.02	0.02	0.00	0.01	0.01
2-D-2-A	2/1/2031	4/30/2031	2031	63	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-D-2-C	5/1/2031	4/1/2033	2031	175	Worker	80	11.7	0.02	0.01	0.00	0.23	0.23	0.00	0.06	0.06
2-D-2-C	5/1/2031	4/1/2033	2031	175	Vendor	25	20	0.00	0.11	0.00	0.13	0.13	0.00	0.03	0.03
2-D-2-C	5/1/2031	4/1/2033	2031	175	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-D-2-C	5/1/2031	4/1/2033	2032	262	Worker	80	11.7	0.02	0.02	0.00	0.35	0.35	0.00	0.09	0.09
2-D-2-C	5/1/2031	4/1/2033	2032	262	Vendor	25	20	0.00	0.16	0.00	0.20	0.20	0.00	0.05	0.05
2-D-2-C	5/1/2031	4/1/2033	2032	262	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-D-2-C	5/1/2031	4/1/2033	2033	65	Worker	80	11.7	0.01	0.00	0.00	0.09	0.09	0.00	0.02	0.02
2-D-2-C	5/1/2031	4/1/2033	2033	65	Vendor	25	20	0.00	0.04	0.00	0.05	0.05	0.00	0.01	0.01
2-D-2-C	5/1/2031	4/1/2033	2033	65	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-Q	6/1/2030	12/1/2033	2030	152	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-Q	6/1/2030	12/1/2033	2030	152	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-Q	6/1/2030	12/1/2033	2030	152	Hauling	16	25	0.00	0.11	0.00	0.09	0.09	0.00	0.02	0.03
2-Q	6/1/2030	12/1/2033	2031	261	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-Q	6/1/2030	12/1/2033	2031	261	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-Q	6/1/2030	12/1/2033	2031	261	Hauling	16	25	0.00	0.19	0.00	0.16	0.16	0.00	0.04	0.04
2-Q	6/1/2030	12/1/2033	2032	262	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-Q	6/1/2030	12/1/2033	2032	262	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-Q	6/1/2030	12/1/2033	2032	262	Hauling	16	25	0.00	0.18	0.00	0.16	0.16	0.00	0.04	0.04
2-Q	6/1/2030	12/1/2033	2033	239	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-Q	6/1/2030	12/1/2033	2033	239	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-Q	6/1/2030	12/1/2033	2033	239	Hauling	16	25	0.00	0.16	0.00	0.15	0.15	0.00	0.04	0.04
2-F-1-A	2/1/2031	4/30/2031	2031	63	Worker	50	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
2-F-1-A	2/1/2031	4/30/2031	2031	63	Vendor	25	8.4	0.00	0.02	0.00	0.02	0.02	0.00	0.01	0.01
2-F-1-A	2/1/2031	4/30/2031	2031	63	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-F-1-C	5/1/2031	6/1/2033	2031	175	Worker	80	11.7	0.02	0.01	0.00	0.23	0.23	0.00	0.06	0.06
2-F-1-C	5/1/2031	6/1/2033	2031	175	Vendor	25	20	0.00	0.11	0.00	0.13	0.13	0.00	0.03	0.03
2-F-1-C	5/1/2031	6/1/2033	2031	175	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-F-1-C	5/1/2031	6/1/2033	2032	262	Worker	80	11.7	0.02	0.02	0.00	0.35	0.35	0.00	0.09	0.09
2-F-1-C	5/1/2031	6/1/2033	2032	262	Vendor	25	20	0.00	0.16	0.00	0.20	0.20	0.00	0.05	0.05
2-F-1-C	5/1/2031	6/1/2033	2032	262	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-F-1-C	5/1/2031	6/1/2033	2033	108	Worker	80	11.7	0.01	0.01	0.00	0.14	0.14	0.00	0.04	0.04
2-F-1-C	5/1/2031	6/1/2033	2033	108	Vendor	25	20	0.00	0.06	0.00	0.08	0.08	0.00	0.02	0.02
2-F-1-C	5/1/2031	6/1/2033	2033	108	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-H-1-A	6/1/2031	8/31/2031	2031	65	Worker	20	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.01
2-H-1-A	6/1/2031	8/31/2031	2031	65	Vendor	15	8.4	0.00	0.01	0.00	0.01	0.01	0.00	0.00	0.00
2-H-1-A	6/1/2031	8/31/2031	2031	65	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-H-1-C	9/1/2031	6/1/2033	2031	88	Worker	30	11.7	0.00	0.00	0.00	0.04	0.04	0.00	0.01	0.01
2-H-1-C	9/1/2031	6/1/2033	2031	88	Vendor	15	8.4	0.00	0.02	0.00	0.02	0.02	0.00	0.00	0.00
2-H-1-C	9/1/2031	6/1/2033	2031	88	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-H-1-C	9/1/2031	6/1/2033	2032	262	Worker	30	11.7	0.01	0.01	0.00	0.13	0.13	0.00	0.03	0.03
2-H-1-C	9/1/2031	6/1/2033	2032	262	Vendor	15	8.4	0.00	0.05	0.00	0.05	0.05	0.00	0.01	0.01
2-H-1-C	9/1/2031	6/1/2033	2032	262	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-H-1-C	9/1/2031	6/1/2033	2033	108	Worker	30	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
2-H-1-C	9/1/2031	6/1/2033	2033	108	Vendor	15	8.4	0.00	0.02	0.00	0.02	0.02	0.00	0.01	0.01
2-H-1-C	9/1/2031	6/1/2033	2033	108	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-H-2-A	6/1/2031	8/31/2031	2031	65	Worker	20	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.01
2-H-2-A	6/1/2031	8/31/2031	2031	65	Vendor	15	8.4	0.00	0.01	0.00	0.01	0.01	0.00	0.00	0.00
2-H-2-A	6/1/2031	8/31/2031	2031	65	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-H-2-C	9/1/2031	6/1/2033	2031	88	Worker	30	11.7	0.00	0.00	0.00	0.04	0.04	0.00	0.01	0.01

2-H-2-C	9/1/2031	6/1/2033	2031	88	Vendor	15	8.4	0.00	0.02	0.00	0.02	0.02	0.00	0.00	0.00
2-H-2-C	9/1/2031	6/1/2033	2031	88	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-H-2-C	9/1/2031	6/1/2033	2032	262	Worker	30	11.7	0.01	0.01	0.00	0.13	0.13	0.00	0.03	0.03
2-H-2-C	9/1/2031	6/1/2033	2032	262	Vendor	15	8.4	0.00	0.05	0.00	0.05	0.05	0.00	0.01	0.01
2-H-2-C	9/1/2031	6/1/2033	2032	262	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-H-2-C	9/1/2031	6/1/2033	2033	108	Worker	30	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
2-H-2-C	9/1/2031	6/1/2033	2033	108	Vendor	15	8.4	0.00	0.02	0.00	0.02	0.02	0.00	0.01	0.01
2-H-2-C	9/1/2031	6/1/2033	2033	108	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-P	6/1/2032	10/1/2032	2032	89	Worker	35	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
2-P	6/1/2032	10/1/2032	2032	89	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-P	6/1/2032	10/1/2032	2032	89	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-E-1	12/1/2032	7/1/2033	2032	23	Worker	50	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00
2-E-1	12/1/2032	7/1/2033	2032	23	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-E-1	12/1/2032	7/1/2033	2032	23	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-E-1	12/1/2032	7/1/2033	2033	130	Worker	50	11.7	0.01	0.00	0.00	0.11	0.11	0.00	0.03	0.03
2-E-1	12/1/2032	7/1/2033	2033	130	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-E-1	12/1/2032	7/1/2033	2033	130	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-E-2	4/1/2033	11/1/2033	2033	153	Worker	50	11.7	0.01	0.01	0.00	0.13	0.13	0.00	0.03	0.03
2-E-2	4/1/2033	11/1/2033	2033	153	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-E-2	4/1/2033	11/1/2033	2033	153	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-G	4/1/2033	12/1/2033	2033	175	Worker	50	11.7	0.01	0.01	0.00	0.15	0.15	0.00	0.04	0.04
2-G	4/1/2033	12/1/2033	2033	175	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-G	4/1/2033	12/1/2033	2033	175	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-I	2/1/2033	6/1/2033	2033	87	Worker	50	11.7	0.00	0.00	0.00	0.07	0.07	0.00	0.02	0.02
2-I	2/1/2033	6/1/2033	2033	87	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-I	2/1/2033	6/1/2033	2033	87	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-D-1-B	10/1/2030	12/31/2030	2030	66	Worker	20	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.01
2-D-1-B	10/1/2030	12/31/2030	2030	66	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-D-1-B	10/1/2030	12/31/2030	2030	66	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-D-2-B	2/1/2031	4/30/2031	2031	63	Worker	20	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.01
2-D-2-B	2/1/2031	4/30/2031	2031	63	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-D-2-B	2/1/2031	4/30/2031	2031	63	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-F-1-B	2/1/2031	4/30/2031	2031	63	Worker	20	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.01
2-F-1-B	2/1/2031	4/30/2031	2031	63	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-F-1-B	2/1/2031	4/30/2031	2031	63	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-H-1-B	6/1/2031	8/31/2031	2031	65	Worker	10	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
2-H-1-B	6/1/2031	8/31/2031	2031	65	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-H-1-B	6/1/2031	8/31/2031	2031	65	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-H-2-B	6/1/2031	8/31/2031	2031	65	Worker	10	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
2-H-2-B	6/1/2031	8/31/2031	2031	65	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-H-2-B	6/1/2031	8/31/2031	2031	65	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-J	6/1/2030	9/1/2030	2030	65	Worker	30	11.7	0.00	0.00	0.00	0.03	0.03	0.00	0.01	0.01
2-J	6/1/2030	9/1/2030	2030	65	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-J	6/1/2030	9/1/2030	2030	65	Hauling	17	25	0.00	0.05	0.00	0.04	0.04	0.00	0.01	0.01
2-K	8/1/2030	2/1/2031	2030	109	Worker	30	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
2-K	8/1/2030	2/1/2031	2030	109	Vendor	1	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-K	8/1/2030	2/1/2031	2030	109	Hauling	3	25	0.00	0.02	0.00	0.01	0.01	0.00	0.00	0.00
2-K	8/1/2030	2/1/2031	2031	23	Worker	30	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
2-K	8/1/2030	2/1/2031	2031	23	Vendor	1	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-K	8/1/2030	2/1/2031	2031	23	Hauling	3	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-L	2/1/2031	8/1/2031	2031	130	Worker	30	11.7	0.00	0.00	0.00	0.06	0.07	0.00	0.02	0.02
2-L	2/1/2031	8/1/2031	2031	130	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-L	2/1/2031	8/1/2031	2031	130	Hauling	10	25	0.00	0.06	0.00	0.05	0.05	0.00	0.01	0.01
2-M	8/1/2031	12/1/2031	2031	87	Worker	35	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
2-M	8/1/2031	12/1/2031	2031	87	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-M	8/1/2031	12/1/2031	2031	87	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Name	Start Date	End Date	Year	Workdays	Source Type	Trips/day	Miles/trip	ROG (ton/yr)	NOx (ton/yr)	PM10E (ton/yr)	PM10D (ton/yr)	PM10T (ton/yr)	PM2.5E (ton/yr)	PM2.5D (ton/yr)	PM2.5T (ton/yr)
3-C	6/1/2033	9/1/2033	2033	67	Worker	20	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.01
3-C	6/1/2033	9/1/2033	2033	67	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-C	6/1/2033	9/1/2033	2033	67	Hauling	50	25	0.00	0.14	0.00	0.13	0.13	0.00	0.03	0.03
3-A	6/1/2033	9/1/2033	2033	67	Worker	30	11.7	0.00	0.00	0.00	0.03	0.03	0.00	0.01	0.01
3-A	6/1/2033	9/1/2033	2033	67	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-A	6/1/2033	9/1/2033	2033	67	Hauling	18	25	0.00	0.05	0.00	0.05	0.05	0.00	0.01	0.01
3-P	2/1/2035	6/1/2035	2035	87	Worker	30	11.7	0.00	0.00	0.00	0.04	0.04	0.00	0.01	0.01
3-P	2/1/2035	6/1/2035	2035	87	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-P	2/1/2035	6/1/2035	2035	87	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-K	9/1/2033	12/1/2033	2033	66	Worker	7.5	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
3-K	9/1/2033	12/1/2033	2033	66	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-K	9/1/2033	12/1/2033	2033	66	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-B	9/1/2033	6/1/2034	2033	87	Worker	30	11.7	0.00	0.00	0.00	0.04	0.04	0.00	0.01	0.01
3-B	9/1/2033	6/1/2034	2033	87	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-B	9/1/2033	6/1/2034	2033	87	Hauling	18	25	0.00	0.07	0.00	0.06	0.06	0.00	0.02	0.02
3-B	9/1/2033	6/1/2034	2034	109	Worker	30	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
3-B	9/1/2033	6/1/2034	2034	109	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-B	9/1/2033	6/1/2034	2034	109	Hauling	18	25	0.00	0.08	0.00	0.08	0.08	0.00	0.02	0.02
3-O	12/1/2034	2/1/2035	2034	21	Worker	30	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
3-O	12/1/2034	2/1/2035	2034	21	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-O	12/1/2034	2/1/2035	2034	21	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-O	12/1/2034	2/1/2035	2035	24	Worker	30	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
3-O	12/1/2034	2/1/2035	2035	24	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-O	12/1/2034	2/1/2035	2035	24	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-J	7/1/2033	9/1/2033	2033	45	Worker	10	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
3-J	7/1/2033	9/1/2033	2033	45	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-J	7/1/2033	9/1/2033	2033	45	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-D-1-A	10/1/2033	12/31/2033	2033	65	Worker	50	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
3-D-1-A	10/1/2033	12/31/2033	2033	65	Vendor	25	8.4	0.00	0.02	0.00	0.02	0.02	0.00	0.01	0.01
3-D-1-A	10/1/2033	12/31/2033	2033	65	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-D-1-C	1/1/2034	12/2/2035	2034	260	Worker	80	11.7	0.02	0.01	0.00	0.35	0.35	0.00	0.09	0.09
3-D-1-C	1/1/2034	12/2/2035	2034	260	Vendor	25	20	0.00	0.15	0.00	0.19	0.20	0.00	0.05	0.05
3-D-1-C	1/1/2034	12/2/2035	2034	260	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-D-1-C	1/1/2034	12/2/2035	2035	240	Worker	80	11.7	0.02	0.01	0.00	0.32	0.32	0.00	0.08	0.08
3-D-1-C	1/1/2034	12/2/2035	2035	240	Vendor	25	20	0.00	0.13	0.00	0.18	0.18	0.00	0.05	0.05
3-D-1-C	1/1/2034	12/2/2035	2035	240	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-D-2-A	2/1/2034	4/30/2034	2034	63	Worker	50	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
3-D-2-A	2/1/2034	4/30/2034	2034	63	Vendor	25	8.4	0.00	0.02	0.00	0.02	0.02	0.00	0.01	0.01
3-D-2-A	2/1/2034	4/30/2034	2034	63	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-D-2-C	5/1/2034	4/1/2036	2034	175	Worker	80	11.7	0.01	0.01	0.00	0.23	0.23	0.00	0.06	0.06
3-D-2-C	5/1/2034	4/1/2036	2034	175	Vendor	25	20	0.00	0.10	0.00	0.13	0.13	0.00	0.03	0.03
3-D-2-C	5/1/2034	4/1/2036	2034	175	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-D-2-C	5/1/2034	4/1/2036	2035	261	Worker	80	11.7	0.02	0.01	0.00	0.35	0.35	0.00	0.09	0.09
3-D-2-C	5/1/2034	4/1/2036	2035	261	Vendor	25	20	0.00	0.14	0.00	0.20	0.20	0.00	0.05	0.05
3-D-2-C	5/1/2034	4/1/2036	2035	261	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-D-2-C	5/1/2034	4/1/2036	2036	66	Worker	80	11.7	0.01	0.00	0.00	0.09	0.09	0.00	0.02	0.02
3-D-2-C	5/1/2034	4/1/2036	2036	66	Vendor	25	20	0.00	0.03	0.00	0.05	0.05	0.00	0.01	0.01
3-D-2-C	5/1/2034	4/1/2036	2036	66	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-R	6/1/2033	12/1/2036	2033	153	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-R	6/1/2033	12/1/2036	2033	153	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-R	6/1/2033	12/1/2036	2033	153	Hauling	14	25	0.00	0.09	0.00	0.08	0.08	0.00	0.02	0.02
3-R	6/1/2033	12/1/2036	2034	260	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-R	6/1/2033	12/1/2036	2034	260	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-R	6/1/2033	12/1/2036	2034	260	Hauling	14	25	0.00	0.15	0.00	0.14	0.14	0.00	0.04	0.04
3-R	6/1/2033	12/1/2036	2035	261	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-R	6/1/2033	12/1/2036	2035	261	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-R	6/1/2033	12/1/2036	2035	261	Hauling	14	25	0.00	0.15	0.00	0.14	0.14	0.00	0.04	0.04
3-R	6/1/2033	12/1/2036	2036	240	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-R	6/1/2033	12/1/2036	2036	240	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-R	6/1/2033	12/1/2036	2036	240	Hauling	14	25	0.00	0.13	0.00	0.13	0.13	0.00	0.03	0.03
3-L	12/1/2033	6/1/2035	2033	22	Worker	50	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00
3-L	12/1/2033	6/1/2035	2033	22	Vendor	20	8.4	0.00	0.01	0.00	0.01	0.01	0.00	0.00	0.00
3-L	12/1/2033	6/1/2035	2033	22	Hauling	91	25	0.00	0.09	0.00	0.08	0.08	0.00	0.02	0.02
3-L	12/1/2033	6/1/2035	2034	260	Worker	50	11.7	0.01	0.01	0.00	0.22	0.22	0.00	0.05	0.05
3-L	12/1/2033	6/1/2035	2034	260	Vendor	20	8.4	0.00	0.06	0.00	0.07	0.07	0.00	0.02	0.02
3-L	12/1/2033	6/1/2035	2034	260	Hauling	91	25	0.01	0.98	0.01	0.91	0.92	0.01	0.23	0.25
3-L	12/1/2033	6/1/2035	2035	110	Worker	50	11.7	0.01	0.00	0.00	0.09	0.09	0.00	0.02	0.02
3-L	12/1/2033	6/1/2035	2035	110	Vendor	20	8.4	0.00	0.03	0.00	0.03	0.03	0.00	0.01	0.01
3-L	12/1/2033	6/1/2035	2035	110	Hauling	91	25	0.01	0.41	0.01	0.38	0.39	0.01	0.10	0.10
3-N	2/1/2035	6/1/2035	2035	87	Worker	47	11.7	0.00	0.00	0.00	0.07	0.07	0.00	0.02	0.02
3-N	2/1/2035	6/1/2035	2035	87	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-N	2/1/2035	6/1/2035	2035	87	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Q	6/1/2035	10/1/2035	2035	87	Worker	35	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
3-Q	6/1/2035	10/1/2035	2035	87	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-Q	6/1/2035	10/1/2035	2035	87	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-E-1	12/1/2035	7/1/2036	2035	21	Worker	50	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00
3-E-1	12/1/2035	7/1/2036	2035	21	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-E-1	12/1/2035	7/1/2036	2035	21	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-E-1	12/1/2035	7/1/2036	2036	131	Worker	50	11.7	0.01	0.00	0.00	0.11	0.11	0.00	0.03	0.03
3-E-1	12/1/2035	7/1/2036	2036	131	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-E-1	12/1/2035	7/1/2036	2036	131	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-E-2	4/1/2036	11/1/2036	2036	154	Worker	50	11.7	0.01	0.00	0.00	0.13	0.13	0.00	0.03	0.03

3-E-2	4/1/2036	11/1/2036	2036	154	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-E-2	4/1/2036	11/1/2036	2036	154	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-M	2/1/2035	6/1/2035	2035	87	Worker	13	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00
3-M	2/1/2035	6/1/2035	2035	87	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-M	2/1/2035	6/1/2035	2035	87	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-D-1-B	10/1/2033	12/31/2033	2033	65	Worker	20	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.01
3-D-1-B	10/1/2033	12/31/2033	2033	65	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-D-1-B	10/1/2033	12/31/2033	2033	65	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-D-2-B	2/1/2034	4/30/2034	2034	63	Worker	20	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.01
3-D-2-B	2/1/2034	4/30/2034	2034	63	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-D-2-B	2/1/2034	4/30/2034	2034	63	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-F	3/1/2034	6/1/2034	2034	67	Worker	30	11.7	0.00	0.00	0.00	0.03	0.03	0.00	0.01	0.01
3-F	3/1/2034	6/1/2034	2034	67	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-F	3/1/2034	6/1/2034	2034	67	Hauling	17	25	0.00	0.05	0.00	0.04	0.04	0.00	0.01	0.01
3-G	6/1/2034	12/1/2034	2034	132	Worker	30	11.7	0.00	0.00	0.00	0.07	0.07	0.00	0.02	0.02
3-G	6/1/2034	12/1/2034	2034	132	Vendor	1	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-G	6/1/2034	12/1/2034	2034	132	Hauling	3	25	0.00	0.02	0.00	0.02	0.02	0.00	0.00	0.00
3-H	12/1/2034	6/1/2035	2034	21	Worker	30	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
3-H	12/1/2034	6/1/2035	2034	21	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-H	12/1/2034	6/1/2035	2034	21	Hauling	10	25	0.00	0.01	0.00	0.01	0.01	0.00	0.00	0.00
3-H	12/1/2034	6/1/2035	2035	110	Worker	30	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
3-H	12/1/2034	6/1/2035	2035	110	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-H	12/1/2034	6/1/2035	2035	110	Hauling	10	25	0.00	0.04	0.00	0.04	0.04	0.00	0.01	0.01
3-I	6/1/2035	10/1/2035	2035	87	Worker	35	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
3-I	6/1/2035	10/1/2035	2035	87	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3-I	6/1/2035	10/1/2035	2035	87	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Phase Name	Start Date	End Date	Year	Workdays	Source Type	Trips/day	Miles/trip	ROG (ton/yr)	NOx (ton/yr)	PM10E (ton/yr)	PM10D (ton/yr)	PM10T (ton/yr)	PM2.5E (ton/yr)	PM2.5D (ton/yr)	PM2.5T (ton/yr)
4-C	6/1/2036	9/1/2036	2036	66	Worker	20	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.01
4-C	6/1/2036	9/1/2036	2036	66	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-C	6/1/2036	9/1/2036	2036	66	Hauling	50	25	0.00	0.13	0.00	0.13	0.13	0.00	0.03	0.03
4-A	6/1/2036	9/1/2036	2036	66	Worker	30	11.7	0.00	0.00	0.00	0.03	0.03	0.00	0.01	0.01
4-A	6/1/2036	9/1/2036	2036	66	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-A	6/1/2036	9/1/2036	2036	66	Hauling	26	25	0.00	0.07	0.00	0.07	0.07	0.00	0.02	0.02
4-M	9/1/2036	12/1/2036	2036	66	Worker	7.5	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
4-M	9/1/2036	12/1/2036	2036	66	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-M	9/1/2036	12/1/2036	2036	66	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-B	9/1/2036	6/1/2037	2036	88	Worker	30	11.7	0.00	0.00	0.00	0.04	0.04	0.00	0.01	0.01
4-B	9/1/2036	6/1/2037	2036	88	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-B	9/1/2036	6/1/2037	2036	88	Hauling	26	25	0.00	0.09	0.00	0.09	0.09	0.00	0.02	0.02
4-B	9/1/2036	6/1/2037	2037	108	Worker	30	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
4-B	9/1/2036	6/1/2037	2037	108	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-B	9/1/2036	6/1/2037	2037	108	Hauling	26	25	0.00	0.11	0.00	0.11	0.11	0.00	0.03	0.03
4-L	7/1/2036	9/1/2036	2036	45	Worker	10	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
4-L	7/1/2036	9/1/2036	2036	45	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-L	7/1/2036	9/1/2036	2036	45	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-N	12/1/2036	6/1/2038	2036	23	Worker	50	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00
4-N	12/1/2036	6/1/2038	2036	23	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-N	12/1/2036	6/1/2038	2036	23	Hauling	86	25	0.00	0.08	0.00	0.08	0.08	0.00	0.02	0.02
4-N	12/1/2036	6/1/2038	2037	261	Worker	50	11.7	0.01	0.01	0.00	0.22	0.22	0.00	0.05	0.05
4-N	12/1/2036	6/1/2038	2037	261	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-N	12/1/2036	6/1/2038	2037	261	Hauling	86	25	0.01	0.87	0.01	0.86	0.87	0.01	0.22	0.23
4-N	12/1/2036	6/1/2038	2038	108	Worker	50	11.7	0.00	0.00	0.00	0.09	0.09	0.00	0.02	0.02
4-N	12/1/2036	6/1/2038	2038	108	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-N	12/1/2036	6/1/2038	2038	108	Hauling	86	25	0.01	0.35	0.01	0.36	0.36	0.01	0.09	0.10
4-D-1-A	10/1/2036	12/31/2036	2036	66	Worker	50	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
4-D-1-A	10/1/2036	12/31/2036	2036	66	Vendor	25	8.4	0.00	0.02	0.00	0.02	0.02	0.00	0.01	0.01
4-D-1-A	10/1/2036	12/31/2036	2036	66	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-D-1-C	1/1/2037	12/1/2038	2037	261	Worker	80	11.7	0.02	0.01	0.00	0.35	0.35	0.00	0.09	0.09
4-D-1-C	1/1/2037	12/1/2038	2037	261	Vendor	25	20	0.00	0.13	0.00	0.20	0.20	0.00	0.05	0.05
4-D-1-C	1/1/2037	12/1/2038	2037	261	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-D-1-C	1/1/2037	12/1/2038	2038	239	Worker	80	11.7	0.02	0.01	0.00	0.32	0.32	0.00	0.08	0.08
4-D-1-C	1/1/2037	12/1/2038	2038	239	Vendor	25	20	0.00	0.12	0.00	0.18	0.18	0.00	0.05	0.05
4-D-1-C	1/1/2037	12/1/2038	2038	239	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-D-2-A	2/1/2037	4/30/2037	2037	64	Worker	50	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
4-D-2-A	2/1/2037	4/30/2037	2037	64	Vendor	25	8.4	0.00	0.02	0.00	0.02	0.02	0.00	0.01	0.01
4-D-2-A	2/1/2037	4/30/2037	2037	64	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-D-2-C	5/1/2037	4/1/2039	2037	175	Worker	80	11.7	0.01	0.01	0.00	0.23	0.23	0.00	0.06	0.06
4-D-2-C	5/1/2037	4/1/2039	2037	175	Vendor	25	20	0.00	0.09	0.00	0.13	0.13	0.00	0.03	0.03
4-D-2-C	5/1/2037	4/1/2039	2037	175	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-D-2-C	5/1/2037	4/1/2039	2038	261	Worker	80	11.7	0.02	0.01	0.00	0.35	0.35	0.00	0.09	0.09
4-D-2-C	5/1/2037	4/1/2039	2038	261	Vendor	25	20	0.00	0.13	0.00	0.20	0.20	0.00	0.05	0.05
4-D-2-C	5/1/2037	4/1/2039	2038	261	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-D-2-C	5/1/2037	4/1/2039	2039	65	Worker	80	11.7	0.00	0.00	0.00	0.09	0.09	0.00	0.02	0.02
4-D-2-C	5/1/2037	4/1/2039	2039	65	Vendor	25	20	0.00	0.03	0.00	0.05	0.05	0.00	0.01	0.01
4-D-2-C	5/1/2037	4/1/2039	2039	65	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-Q	3/1/2036	12/1/2039	2036	218	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-Q	3/1/2036	12/1/2039	2036	218	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-Q	3/1/2036	12/1/2039	2036	218	Hauling	22	25	0.00	0.19	0.00	0.18	0.19	0.00	0.05	0.05
4-Q	3/1/2036	12/1/2039	2037	261	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-Q	3/1/2036	12/1/2039	2037	261	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-Q	3/1/2036	12/1/2039	2037	261	Hauling	22	25	0.00	0.22	0.00	0.22	0.22	0.00	0.06	0.06
4-Q	3/1/2036	12/1/2039	2038	261	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-Q	3/1/2036	12/1/2039	2038	261	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-Q	3/1/2036	12/1/2039	2038	261	Hauling	22	25	0.00	0.22	0.00	0.22	0.22	0.00	0.06	0.06
4-Q	3/1/2036	12/1/2039	2039	239	Worker	0	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-Q	3/1/2036	12/1/2039	2039	239	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-Q	3/1/2036	12/1/2039	2039	239	Hauling	22	25	0.00	0.20	0.00	0.20	0.20	0.00	0.05	0.05
4-F-1-A	2/1/2037	4/30/2037	2037	64	Worker	40	11.7	0.00	0.00	0.00	0.04	0.04	0.00	0.01	0.01
4-F-1-A	2/1/2037	4/30/2037	2037	64	Vendor	25	8.4	0.00	0.02	0.00	0.02	0.02	0.00	0.01	0.01
4-F-1-A	2/1/2037	4/30/2037	2037	64	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-F-1-C	5/1/2037	6/1/2039	2037	175	Worker	80	11.7	0.01	0.01	0.00	0.23	0.23	0.00	0.06	0.06
4-F-1-C	5/1/2037	6/1/2039	2037	175	Vendor	20	8.4	0.00	0.04	0.00	0.04	0.04	0.00	0.01	0.01
4-F-1-C	5/1/2037	6/1/2039	2037	175	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-F-1-C	5/1/2037	6/1/2039	2038	261	Worker	80	11.7	0.02	0.01	0.00	0.35	0.35	0.00	0.09	0.09
4-F-1-C	5/1/2037	6/1/2039	2038	261	Vendor	20	8.4	0.00	0.06	0.00	0.07	0.07	0.00	0.02	0.02
4-F-1-C	5/1/2037	6/1/2039	2038	261	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-F-1-C	5/1/2037	6/1/2039	2039	108	Worker	80	11.7	0.01	0.00	0.00	0.14	0.14	0.00	0.04	0.04
4-F-1-C	5/1/2037	6/1/2039	2039	108	Vendor	20	8.4	0.00	0.02	0.00	0.03	0.03	0.00	0.01	0.01
4-F-1-C	5/1/2037	6/1/2039	2039	108	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-P	2/1/2038	6/1/2038	2038	87	Worker	20	11.7	0.00	0.00	0.00	0.03	0.03	0.00	0.01	0.01
4-P	2/1/2038	6/1/2038	2038	87	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-P	2/1/2038	6/1/2038	2038	87	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-O	2/1/2038	6/1/2038	2038	87	Worker	13	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00
4-O	2/1/2038	6/1/2038	2038	87	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-O	2/1/2038	6/1/2038	2038	87	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-E-1	12/1/2038	7/1/2039	2038	23	Worker	50	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00
4-E-1	12/1/2038	7/1/2039	2038	23	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-E-1	12/1/2038	7/1/2039	2038	23	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-E-1	12/1/2038	7/1/2039	2039	130	Worker	50	11.7	0.01	0.00	0.00	0.11	0.11	0.00	0.03	0.03

4-E-1	12/1/2038	7/1/2039	2039	130	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-E-1	12/1/2038	7/1/2039	2039	130	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-E-2	4/1/2039	11/1/2039	2039	153	Worker	50	11.7	0.01	0.00	0.00	0.13	0.13	0.00	0.03	0.03
4-E-2	4/1/2039	11/1/2039	2039	153	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-E-2	4/1/2039	11/1/2039	2039	153	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-G	10/1/2038	6/1/2039	2038	66	Worker	50	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
4-G	10/1/2038	6/1/2039	2038	66	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-G	10/1/2038	6/1/2039	2038	66	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-G	10/1/2038	6/1/2039	2039	108	Worker	50	11.7	0.00	0.00	0.00	0.09	0.09	0.00	0.02	0.02
4-G	10/1/2038	6/1/2039	2039	108	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-G	10/1/2038	6/1/2039	2039	108	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-D-1-B	10/1/2036	12/31/2036	2036	66	Worker	20	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.01
4-D-1-B	10/1/2036	12/31/2036	2036	66	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-D-1-B	10/1/2036	12/31/2036	2036	66	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-D-2-B	2/1/2037	4/30/2037	2037	64	Worker	20	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.01
4-D-2-B	2/1/2037	4/30/2037	2037	64	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-D-2-B	2/1/2037	4/30/2037	2037	64	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-F-1-B	2/1/2037	4/30/2037	2037	64	Worker	20	11.7	0.00	0.00	0.00	0.02	0.02	0.00	0.01	0.01
4-F-1-B	2/1/2037	4/30/2037	2037	64	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-F-1-B	2/1/2037	4/30/2037	2037	64	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-H	3/1/2037	6/1/2037	2037	66	Worker	30	11.7	0.00	0.00	0.00	0.03	0.03	0.00	0.01	0.01
4-H	3/1/2037	6/1/2037	2037	66	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-H	3/1/2037	6/1/2037	2037	66	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-I	6/1/2037	12/1/2037	2037	132	Worker	30	11.7	0.00	0.00	0.00	0.07	0.07	0.00	0.02	0.02
4-I	6/1/2037	12/1/2037	2037	132	Vendor	1	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-I	6/1/2037	12/1/2037	2037	132	Hauling	3.788	25	0.00	0.02	0.00	0.02	0.02	0.00	0.00	0.01
4-J	12/1/2037	6/1/2038	2037	23	Worker	30	11.7	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
4-J	12/1/2037	6/1/2038	2037	23	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-J	12/1/2037	6/1/2038	2037	23	Hauling	0	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-J	12/1/2037	6/1/2038	2038	108	Worker	30	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
4-J	12/1/2037	6/1/2038	2038	108	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-J	12/1/2037	6/1/2038	2038	108	Hauling	0	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-K	6/1/2038	10/1/2038	2038	89	Worker	35	11.7	0.00	0.00	0.00	0.05	0.05	0.00	0.01	0.01
4-K	6/1/2038	10/1/2038	2038	89	Vendor	0	8.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4-K	6/1/2038	10/1/2038	2038	89	Hauling	0	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

E1.2 Operations

Sections E1.2.1 through E1.2.5 below present the CalEEMod outputs that would occur under the CEQA Reduced Density Alternative. Refer to Sections A1.2.5 through A1.2.8 for emissions calculations for the cooling towers, wet labs, and tree removals and plantings.

E1.2.1 Phase 1 Operations CalEEMod Output

The CalEEMod output presents model inputs and outputs for operation of land uses constructed under the CEQA Reduced Density Alternative, Phase 1. All structures were assumed to be fully occupied the first year following completion of construction (i.e., 2031 for Phase 1). Note that CEQA Proposed Project, Phase 1, landscaping emissions (including additional energy emissions from electrified equipment under the mitigated condition) were used in place of the estimates shown in this file to ensure consistency between the CEQA Proposed Project and the CEQA Reduced Density Alternative. Refer to Section D1.2, *Operations*, for additional information.

Note that the mitigated condition does not account for Mitigation Measure TRAN-1. Based on modeling from Fehr & Peers, the measure would achieve a 7.5 percent reduction in trips and VMT (Tan pers. comm. [A]). Accordingly, mobile-source emissions from CalEEMod were manually reduced by 7.5 percent to account for implementation of Mitigation Measure TRAN-1.

Neither total operation nor mobile-source emissions results in the CalEEMod output are adjusted to reflect the June 12, 2025, congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has developed off-model adjustment factors for NO_X, ROG, PM_{10}, and $PM_{2.5}$ that remove the estimated emissions benefits attributed to regulations. Emissions of these pollutants were separately quantified using the project-specific traffic data and emission factors from EMFAC2021 with the off-model adjustments per CARB's guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for mobile sources and the total operational emissions recalculated. Refer to Section E1.2.5 for the off-model calculations.

Moffett Alt 1 Operation Phase 1 Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Moffett Alt 1 Operation Phase 1
Operational Year	2031
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	28.2
Location	37.40646021370499, -122.05214834788202
County	Santa Clara
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1702
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	110	1000sqft	4.20	110,000	0.00	0.00	—	—
Research & Development	445	1000sqft	0.00	445,000	0.00	0.00	—	—

University/College (4yr)	58.0	Student	0.00	85,000	0.00	0.00	—	—
General Office Building	0.00	1000sqft	0.00	0.00	0.00	0.00	—	—
Regional Shopping Center	15.0	1000sqft	0.00	15,000	0.00	0.00	—	—
Hotel	0.00	Room	0.00	0.00	0.00	0.00	—	—
Apartments Mid Rise	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	—
Enclosed Parking with Elevator	0.00	1000sqft	0.00	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Area Sources	AS-1	Use Low-VOC Cleaning Supplies
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment
Area Sources	AS-2	Use Low-VOC Paints

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	38.0	36.5	14.3	173	0.37	0.41	33.3	33.7	0.39	8.45	8.84	1,272	38,150	39,422	129	1.32	374	43,404
Mit.	30.9	29.7	14.1	145	0.37	0.36	33.3	33.7	0.35	8.45	8.80	1,272	38,033	39,305	129	1.32	374	43,287
% Reduced	19%	19%	2%	16%	< 0.5%	12%	—	< 0.5%	10%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	32.4	31.2	15.7	136	0.35	0.36	33.3	33.7	0.35	8.45	8.80	1,272	36,054	37,327	129	1.44	308	41,281
Mit.	30.4	29.2	15.7	136	0.35	0.36	33.3	33.7	0.35	8.45	8.80	1,272	36,054	37,327	129	1.44	308	41,281
% Reduced	6%	7%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	32.9	31.6	10.8	123	0.30	0.21	31.4	31.6	0.19	7.96	8.15	1,272	31,055	32,327	128	1.31	334	36,261
Mit.	28.4	27.2	10.7	109	0.30	0.18	31.4	31.6	0.17	7.96	8.13	1,272	30,997	32,269	128	1.31	334	36,203
% Reduced	14%	14%	1%	11%	—	12%	—	< 0.5%	10%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	—	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.01	5.77	1.98	22.4	0.05	0.04	5.73	5.77	0.03	1.45	1.49	211	5,141	5,352	21.3	0.22	55.3	6,003
Mit.	5.18	4.97	1.96	19.8	0.05	0.03	5.73	5.76	0.03	1.45	1.48	211	5,132	5,343	21.3	0.22	55.3	5,994
% Reduced	14%	14%	1%	11%	< 0.5%	12%	—	< 0.5%	10%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	15.7	14.6	9.74	123	0.33	0.17	33.3	33.5	0.16	8.45	8.61	—	33,138	33,138	1.18	1.22	67.9	33,599
Area	21.0	20.6	0.24	28.5	< 0.005	0.05	—	0.05	0.04	—	0.04	0.00	117	117	< 0.005	< 0.005	—	118
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	392	392	0.00	0.00	—	392
Water	—	—	—	—	—	—	—	—	—	—	—	27.3	2.74	30.0	2.80	0.07	—	120
Waste	—	—	—	—	—	—	—	—	—	—	—	1,245	0.00	1,245	124	0.00	—	4,355

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	306	306
Stationary	1.33	1.31	4.31	22.4	0.04	0.19	0.00	0.19	0.19	0.00	0.19	0.00	4,500	4,500	0.18	0.04	0.00	4,515
Total	38.0	36.5	14.3	173	0.37	0.41	33.3	33.7	0.39	8.45	8.84	1,272	38,150	39,422	129	1.32	374	43,404
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	15.2	14.0	11.4	114	0.31	0.17	33.3	33.5	0.16	8.45	8.61	—	31,160	31,160	1.32	1.34	1.76	31,594
Area	15.9	15.9	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	392	392	0.00	0.00	—	392
Water	—	—	—	—	—	—	—	—	—	—	—	27.3	2.74	30.0	2.80	0.07	—	120
Waste	—	—	—	—	—	—	—	—	—	—	—	1,245	0.00	1,245	124	0.00	—	4,355
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	306	306
Stationary	1.33	1.31	4.31	22.4	0.04	0.19	0.00	0.19	0.19	0.00	0.19	0.00	4,500	4,500	0.18	0.04	0.00	4,515
Total	32.4	31.2	15.7	136	0.35	0.36	33.3	33.7	0.35	8.45	8.80	1,272	36,054	37,327	129	1.44	308	41,281
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	14.4	13.3	10.3	106	0.30	0.16	31.4	31.5	0.15	7.96	8.11	—	30,140	30,140	1.21	1.24	28.1	30,567
Area	18.4	18.2	0.12	14.0	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	57.8	57.8	< 0.005	< 0.005	—	58.0
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	392	392	0.00	0.00	—	392
Water	—	—	—	—	—	—	—	—	—	—	—	27.3	2.74	30.0	2.80	0.07	—	120
Waste	—	—	—	—	—	—	—	—	—	—	—	1,245	0.00	1,245	124	0.00	—	4,355
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	306	306
Stationary	0.14	0.13	0.44	2.30	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	462	462	0.02	< 0.005	0.00	464
Total	32.9	31.6	10.8	123	0.30	0.21	31.4	31.6	0.19	7.96	8.15	1,272	31,055	32,327	128	1.31	334	36,261
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.63	2.43	1.88	19.4	0.05	0.03	5.73	5.76	0.03	1.45	1.48	—	4,990	4,990	0.20	0.20	4.65	5,061
Area	3.36	3.32	0.02	2.56	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	9.56	9.56	< 0.005	< 0.005	—	9.60
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	64.8	64.8	0.00	0.00	—	64.8

Water	—	—	—	—	—	—	—	—	—	—	—	4.52	0.45	4.97	0.46	0.01	—	19.8
Waste	—	—	—	—	—	—	—	—	—	—	—	206	0.00	206	20.6	0.00	—	721
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50.6	50.6
Stationary	0.02	0.02	0.08	0.42	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	76.5	76.5	< 0.005	< 0.005	0.00	76.8
Total	6.01	5.77	1.98	22.4	0.05	0.04	5.73	5.77	0.03	1.45	1.49	211	5,141	5,352	21.3	0.22	55.3	6,003

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	15.7	14.6	9.74	123	0.33	0.17	33.3	33.5	0.16	8.45	8.61	—	33,138	33,138	1.18	1.22	67.9	33,599
Area	13.8	13.8	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	392	392	0.00	0.00	—	392
Water	—	—	—	—	—	—	—	—	—	—	—	27.3	2.74	30.0	2.80	0.07	—	120
Waste	—	—	—	—	—	—	—	—	—	—	—	1,245	0.00	1,245	124	0.00	—	4,355
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	306	306
Stationary	1.33	1.31	4.31	22.4	0.04	0.19	0.00	0.19	0.19	0.00	0.19	0.00	4,500	4,500	0.18	0.04	0.00	4,515
Total	30.9	29.7	14.1	145	0.37	0.36	33.3	33.7	0.35	8.45	8.80	1,272	38,033	39,305	129	1.32	374	43,287
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	15.2	14.0	11.4	114	0.31	0.17	33.3	33.5	0.16	8.45	8.61	—	31,160	31,160	1.32	1.34	1.76	31,594
Area	13.8	13.8	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	392	392	0.00	0.00	—	392
Water	—	—	—	—	—	—	—	—	—	—	—	27.3	2.74	30.0	2.80	0.07	—	120
Waste	—	—	—	—	—	—	—	—	—	—	—	1,245	0.00	1,245	124	0.00	—	4,355

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	306	306
Stationary	1.33	1.31	4.31	22.4	0.04	0.19	0.00	0.19	0.19	0.00	0.19	0.00	4,500	4,500	0.18	0.04	0.00	4,515
Total	30.4	29.2	15.7	136	0.35	0.36	33.3	33.7	0.35	8.45	8.80	1,272	36,054	37,327	129	1.44	308	41,281
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	14.4	13.3	10.3	106	0.30	0.16	31.4	31.5	0.15	7.96	8.11	—	30,140	30,140	1.21	1.24	28.1	30,567
Area	13.8	13.8	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	392	392	0.00	0.00	—	392
Water	—	—	—	—	—	—	—	—	—	—	—	27.3	2.74	30.0	2.80	0.07	—	120
Waste	—	—	—	—	—	—	—	—	—	—	—	1,245	0.00	1,245	124	0.00	—	4,355
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	306	306
Stationary	0.14	0.13	0.44	2.30	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	462	462	0.02	< 0.005	0.00	464
Total	28.4	27.2	10.7	109	0.30	0.18	31.4	31.6	0.17	7.96	8.13	1,272	30,997	32,269	128	1.31	334	36,203
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.63	2.43	1.88	19.4	0.05	0.03	5.73	5.76	0.03	1.45	1.48	—	4,990	4,990	0.20	0.20	4.65	5,061
Area	2.52	2.52	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	64.9	64.9	0.00	0.00	—	64.9
Water	—	—	—	—	—	—	—	—	—	—	—	4.52	0.45	4.97	0.46	0.01	—	19.8
Waste	—	—	—	—	—	—	—	—	—	—	—	206	0.00	206	20.6	0.00	—	721
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50.6	50.6
Stationary	0.02	0.02	0.08	0.42	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	76.5	76.5	< 0.005	< 0.005	0.00	76.8
Total	5.18	4.97	1.96	19.8	0.05	0.03	5.73	5.76	0.03	1.45	1.48	211	5,132	5,343	21.3	0.22	55.3	5,994

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	392	392	0.00	0.00	—	392
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	392	392	0.00	0.00	—	392
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	392	392	0.00	0.00	—	392
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	392	392	0.00	0.00	—	392
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	64.8	64.8	0.00	0.00	—	64.8
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	64.8	64.8	0.00	0.00	—	64.8

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.06	0.06	0.00	0.00	—	0.06
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	392	392	0.00	0.00	—	392
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05	0.00	0.00	—	0.05
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	392	392	0.00	0.00	—	392
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	392	392	0.00	0.00	—	392
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	392	392	0.00	0.00	—	392
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	64.9	64.9	0.00	0.00	—	64.9

University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	64.9	64.9	0.00	0.00	—	64.9

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	14.0	14.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	1.87	1.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	5.07	4.68	0.24	28.5	< 0.005	0.05	—	0.05	0.04	—	0.04	—	117	117	< 0.005	< 0.005	—	118
Total	21.0	20.6	0.24	28.5	< 0.005	0.05	—	0.05	0.04	—	0.04	0.00	117	117	< 0.005	< 0.005	—	118
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	14.0	14.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.87	1.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	15.9	15.9	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	2.56	2.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.34	0.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.46	0.42	0.02	2.56	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.56	9.56	< 0.005	< 0.005	—	9.60
Total	3.36	3.32	0.02	2.56	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	9.56	9.56	< 0.005	< 0.005	—	9.60

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	13.0	13.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.83	0.83	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	13.8	13.8	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	13.0	13.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.83	0.83	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	13.8	13.8	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	2.37	2.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	0.15	0.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	2.52	2.52	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	27.3	2.64	29.9	2.80	0.07	—	120
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.10	0.10	0.00	0.00	—	0.10
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclose Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	27.3	2.74	30.0	2.80	0.07	—	120
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	27.3	2.64	29.9	2.80	0.07	—	120
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.10	0.10	0.00	0.00	—	0.10
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	27.3	2.74	30.0	2.80	0.07	—	120
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	4.52	0.44	4.96	0.46	0.01	—	19.8
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.02	0.02	0.00	0.00	—	0.02
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4.52	0.45	4.97	0.46	0.01	—	19.8

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	27.3	2.64	29.9	2.80	0.07	—	120
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.10	0.10	0.00	0.00	—	0.10
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	27.3	2.74	30.0	2.80	0.07	—	120
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	27.3	2.64	29.9	2.80	0.07	—	120

University/Colleg	—	—	—	—	—	—	—	—	—	—	—	0.00	0.10	0.10	0.00	0.00	—	0.10
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	27.3	2.74	30.0	2.80	0.07	—	120
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	4.52	0.44	4.96	0.46	0.01	—	19.8
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.02	0.02	0.00	0.00	—	0.02
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4.52	0.45	4.97	0.46	0.01	—	19.8

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	1,245	0.00	1,245	124	0.00	—	4,355
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,245	0.00	1,245	124	0.00	—	4,355
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	1,245	0.00	1,245	124	0.00	—	4,355
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,245	0.00	1,245	124	0.00	—	4,355
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	206	0.00	206	20.6	0.00	—	721
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclose Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	206	0.00	206	20.6	0.00	—	721

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	1,245	0.00	1,245	124	0.00	—	4,355
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclose d	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,245	0.00	1,245	124	0.00	—	4,355
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Researc h & Developm ent	—	—	—	—	—	—	—	—	—	—	—	1,245	0.00	1,245	124	0.00	—	4,355
Universit y/Colleg e (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,245	0.00	1,245	124	0.00	—	4,355
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Researc & Developm ent	—	—	—	—	—	—	—	—	—	—	—	206	0.00	206	20.6	0.00	—	721
Universit y/Colleg e (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	206	0.00	206	20.6	0.00	—	721

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	156	156
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	149	149
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.20	0.20
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	306	306
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	156	156
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	149	149
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.20	0.20
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	306	306
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	25.9	25.9
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	24.7	24.7
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50.6	50.6

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	156	156
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	149	149
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.20	0.20
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	306	306
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	156	156
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	149	149
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.20	0.20
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	306	306
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	25.9	25.9

Researc & Developm	— ent	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	24.7	24.7
Universit y/Colleg e (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50.6	50.6

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.33	1.31	4.31	22.4	0.04	0.19	0.00	0.19	0.19	0.00	0.19	0.00	4,500	4,500	0.18	0.04	0.00	4,515
Total	1.33	1.31	4.31	22.4	0.04	0.19	0.00	0.19	0.19	0.00	0.19	0.00	4,500	4,500	0.18	0.04	0.00	4,515
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.33	1.31	4.31	22.4	0.04	0.19	0.00	0.19	0.19	0.00	0.19	0.00	4,500	4,500	0.18	0.04	0.00	4,515
Total	1.33	1.31	4.31	22.4	0.04	0.19	0.00	0.19	0.19	0.00	0.19	0.00	4,500	4,500	0.18	0.04	0.00	4,515
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Emergency Generat	0.02	0.02	0.08	0.42	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	76.5	76.5	< 0.005	< 0.005	0.00	76.8
Total	0.02	0.02	0.08	0.42	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	76.5	76.5	< 0.005	< 0.005	0.00	76.8

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.33	1.31	4.31	22.4	0.04	0.19	0.00	0.19	0.19	0.00	0.19	0.00	4,500	4,500	0.18	0.04	0.00	4,515
Total	1.33	1.31	4.31	22.4	0.04	0.19	0.00	0.19	0.19	0.00	0.19	0.00	4,500	4,500	0.18	0.04	0.00	4,515
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.33	1.31	4.31	22.4	0.04	0.19	0.00	0.19	0.19	0.00	0.19	0.00	4,500	4,500	0.18	0.04	0.00	4,515
Total	1.33	1.31	4.31	22.4	0.04	0.19	0.00	0.19	0.19	0.00	0.19	0.00	4,500	4,500	0.18	0.04	0.00	4,515
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.02	0.02	0.08	0.42	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	76.5	76.5	< 0.005	< 0.005	0.00	76.8
Total	0.02	0.02	0.08	0.42	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	76.5	76.5	< 0.005	< 0.005	0.00	76.8

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	5,607	5,607	5,607	1,962,450	47,240	47,240	47,240	16,534,000

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	5,607	5,607	5,607	1,962,450	47,240	47,240	47,240	16,534,000

5.10. Operational Area Sources

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	982,500	327,500	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Office Park	0.00	7.14	0.0000	0.0000	0.00
Research & Development	20,010,000	7.14	0.0000	0.0000	0.00
University/College (4yr)	0.00	7.14	0.0000	0.0000	0.00
General Office Building	0.00	7.14	0.0000	0.0000	0.00
Regional Shopping Center	0.00	7.14	0.0000	0.0000	0.00
Hotel	0.00	7.14	0.0000	0.0000	0.00
Apartments Mid Rise	0.00	7.14	0.0000	0.0000	0.00
Enclosed Parking with Elevator	0.00	7.14	0.0000	0.0000	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Office Park	0.00	7.14	0.0000	0.0000	0.00
Research & Development	20,010,000	7.14	0.0000	0.0000	0.00
University/College (4yr)	0.00	7.14	0.0000	0.0000	0.00
General Office Building	0.00	7.14	0.0000	0.0000	0.00
Regional Shopping Center	0.00	7.14	0.0000	0.0000	0.00
Hotel	0.00	7.14	0.0000	0.0000	0.00
Apartments Mid Rise	0.00	7.14	0.0000	0.0000	0.00
Enclosed Parking with Elevator	0.00	7.14	0.0000	0.0000	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Office Park	0.00	0.00
Research & Development	14,247,500	8,600,000
University/College (4yr)	0.00	1,410,300
General Office Building	0.00	0.00
Regional Shopping Center	0.00	0.00
Hotel	0.00	0.00
Apartments Mid Rise	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Office Park	0.00	0.00
Research & Development	14,247,500	8,600,000
University/College (4yr)	0.00	1,410,300
General Office Building	0.00	0.00
Regional Shopping Center	0.00	0.00
Hotel	0.00	0.00
Apartments Mid Rise	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	0.00	—
Research & Development	2,310	—
University/College (4yr)	0.00	—
General Office Building	0.00	—
Regional Shopping Center	0.00	—
Hotel	0.00	—
Apartments Mid Rise	0.00	—
Enclosed Parking with Elevator	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	0.00	—
Research & Development	2,310	—
University/College (4yr)	0.00	—
General Office Building	0.00	—
Regional Shopping Center	0.00	—
Hotel	0.00	—
Apartments Mid Rise	0.00	—
Enclosed Parking with Elevator	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00

Research & Development	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Office Park	Chillers	User Defined	630	18.7	1.00	1.00	20.0
Research & Development	Other commercial A/C and heat pumps	User Defined	466	6.44	1.00	1.00	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Research & Development	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Office Park	Chillers	User Defined	630	18.7	1.00	1.00	20.0
Research & Development	Other commercial A/C and heat pumps	User Defined	466	6.44	1.00	1.00	18.0

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	2.00	4.00	150	670	0.73

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	Project in urban environment
Land Use	Office acres include acres for office, R&D, and academic. Active use acres partially shared with R&D acres. No conference, hotel, housing, or garage during Phase 1.
Construction: Construction Phases	Data provided by SKS
Construction: Off-Road Equipment	Data provided by SKS. Accounts for project design feature of Tier 4 engines (equipment greater than 25 HP).
Construction: Dust From Material Movement	Data provided by SKS. Accounts for CBP AIR-2.
Construction: Trips and VMT	Data provided by SKS. Defaults used where project-specific inputs not available.
Construction: Paving	Data provided by SKS
Construction: On-Road Fugitive Dust	Accounts for CBP AIR-2. Silt loading modified per BAAQMD CEQA Guidelines.
Construction: Architectural Coatings	Distributed coating square footages to phases based on buildings constructed in each phase.
Characteristics: Utility Information	Per PG&E's 2023 PCL adjusted to account for RPS. CO2 is CO2e.
Operations: Energy Use	Energy consumption value is for all project land uses (estimates by building type not available). Estimate provided by SKS and accounts for energy efficiency and renewable energy project design elements. No building natural gas consumption.
Operations: Water and Waste Water	Indoor and outdoor water consumption values are for all project land uses (estimates by building type not available). Indoor estimate modeled under R&D land use type. Outdoor water estimate modeled under University land use type. Outdoor intensity factors adjusted to account for use of reclaimed water (no supply). Estimates provided by EKI and account for water efficiency project design elements. Cooling tower water estimate modeled under R&D land use type (outdoor, not reclaimed).
Operations: Solid Waste	Waste generation value is for all project land uses (estimates by building type not available). Estimate provided by SKS and accounts for waste reduction project design elements.

Operations: Refrigerants	Refrigerant quantities for project-wide Centrifugal Chillers and Building A/C Heat Pumps provided by SKS and modeled under Office and R&D land use type. Default pumps from other land use types removed to avoid double counting. Defaults retained for building refrigerators and freezers.
Operations: Generators + Pumps EF	TOG/ROG, NOx, and PM emission factors revised for Tier 4 generator standards per Cal. Code Regs. Tit. 13, § 242 Generator Standards.
Operations: Hearths	No hearth

E1.2.2 Phases 1 and 2 Operations CalEEMod Output

The CalEEMod output presents model inputs and outputs for operation of land uses constructed under the CEQA Reduced Density Alternative, Phases 1 and 2. All structures were assumed to be fully occupied the first year following completion of construction (i.e., 2031 for Phase 1, 2034 for Phase 2). Note that CEQA Proposed Project, Phases 1 and 2, landscaping emissions (including additional energy emissions from electrified equipment under the mitigated condition) were used in place of the estimates shown in this file to ensure consistency between the CEQA Proposed Project and CEQA Reduced Density Alternative. Refer to Section D1.2, *Operations*, for additional information.

Note that the mitigated condition in all CalEEMod outputs does not account for Mitigation Measure TRAN-1. Based on modeling from Fehr & Peers, the measure would achieve a 7.5 percent reduction in trips and VMT (Tan pers. comm. [A]). Accordingly, mobile-source emissions from CalEEMod were manually reduced by 7.5 percent to account for implementation of Mitigation Measure TRAN-1.

Neither total operation nor mobile-source emissions results in the CalEEMod output are adjusted to reflect the June 12, 2025, congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has developed off-model adjustment factors for NO_X, ROG, PM_{10}, and $PM_{2.5}$ that remove the estimated emissions benefits attributed to regulations. Emissions of these pollutants were separately quantified using the project-specific traffic data and emission factors from EMFAC2021 with the off-model adjustments per CARB's guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for mobile sources and the total operational emissions recalculated. Refer to Section E1.2.5 for the off-model calculations.

Moffett Alt 2 Operation Phase 1 and 2 Custom Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Moffett Alt 2 Operation Phase 1 and 2
Operational Year	2034
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	28.2
Location	37.40646021370499, -122.05214834788202
County	Santa Clara
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1702
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	115	1000sqft	7.70	115,000	0.00	0.00	—	—
Research & Development	450	1000sqft	0.00	450,000	0.00	0.00	—	—

University/College (4yr)	58.0	Student	0.00	85,000	0.00	0.00	—	—
General Office Building	25.0	1000sqft	1.10	25,000	0.00	0.00	—	—
Regional Shopping Center	50.0	1000sqft	0.60	50,000	0.00	0.00	—	—
Hotel	100	Room	0.00	75,000	0.00	0.00	—	—
Apartments Mid Rise	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	—
Enclosed Parking with Elevator	0.00	1000sqft	0.00	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Area Sources	AS-1	Use Low-VOC Cleaning Supplies
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment
Area Sources	AS-2	Use Low-VOC Paints

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	53.1	51.0	26.2	275	0.60	0.85	50.4	51.3	0.82	12.8	13.6	585	62,165	62,750	60.7	1.92	674	65,516
Mit.	43.4	41.8	26.0	240	0.60	0.79	50.4	51.2	0.78	12.8	13.6	585	62,022	62,607	60.7	1.92	674	65,373
% Reduced	18%	18%	1%	13%	< 0.5%	7%	—	< 0.5%	6%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	46.3	44.6	28.2	227	0.57	0.79	50.4	51.2	0.78	12.8	13.6	585	59,133	59,718	60.9	2.09	610	62,474
Mit.	42.8	41.1	28.2	227	0.57	0.79	50.4	51.2	0.78	12.8	13.6	585	59,133	59,718	60.9	2.09	610	62,474
% Reduced	8%	8%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	44.7	42.9	15.2	174	0.44	0.30	47.5	47.8	0.28	12.0	12.3	585	45,612	46,198	60.3	1.85	635	48,892
Mit.	38.1	36.6	15.1	157	0.44	0.27	47.5	47.7	0.26	12.0	12.3	585	45,542	46,127	60.3	1.85	635	48,822
% Reduced	15%	15%	1%	10%	< 0.5%	10%	—	< 0.5%	8%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	—	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.15	7.83	2.78	31.7	0.08	0.05	8.66	8.72	0.05	2.20	2.25	96.9	7,552	7,649	9.98	0.31	105	8,095
Mit.	6.96	6.68	2.75	28.6	0.08	0.05	8.66	8.71	0.05	2.20	2.24	96.9	7,540	7,637	9.98	0.31	105	8,083
% Reduced	15%	15%	1%	10%	< 0.5%	10%	—	< 0.5%	8%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	21.8	20.3	13.0	173	0.47	0.22	50.4	50.6	0.21	12.8	13.0	—	48,144	48,144	1.61	1.73	65.2	48,764
Area	27.3	26.8	0.29	34.8	< 0.005	0.06	—	0.06	0.05	—	0.05	0.00	143	143	0.01	< 0.005	—	144
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	375	375	0.00	0.00	—	375
Water	—	—	—	—	—	—	—	—	—	—	—	37.1	3.90	41.0	3.80	0.09	—	163
Waste	—	—	—	—	—	—	—	—	—	—	—	548	0.00	548	54.8	0.00	—	1,918

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	608	608
Stationary	3.99	3.92	12.9	67.3	0.13	0.57	0.00	0.57	0.57	0.00	0.57	0.00	13,499	13,499	0.54	0.11	0.00	13,544
Total	53.1	51.0	26.2	275	0.60	0.85	50.4	51.3	0.82	12.8	13.6	585	62,165	62,750	60.7	1.92	674	65,516
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	21.2	19.6	15.2	160	0.44	0.22	50.4	50.6	0.21	12.8	13.0	—	45,254	45,254	1.80	1.90	1.69	45,866
Area	21.1	21.1	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	375	375	0.00	0.00	—	375
Water	—	—	—	—	—	—	—	—	—	—	—	37.1	3.90	41.0	3.80	0.09	—	163
Waste	—	—	—	—	—	—	—	—	—	—	—	548	0.00	548	54.8	0.00	—	1,918
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	608	608
Stationary	3.99	3.92	12.9	67.3	0.13	0.57	0.00	0.57	0.57	0.00	0.57	0.00	13,499	13,499	0.54	0.11	0.00	13,544
Total	46.3	44.6	28.2	227	0.57	0.79	50.4	51.2	0.78	12.8	13.6	585	59,133	59,718	60.9	2.09	610	62,474
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	20.1	18.6	13.7	150	0.43	0.21	47.5	47.7	0.20	12.0	12.2	—	43,776	43,776	1.64	1.75	27.0	44,366
Area	24.1	23.9	0.14	17.2	< 0.005	0.03	—	0.03	0.02	—	0.02	0.00	70.6	70.6	< 0.005	< 0.005	—	70.8
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	375	375	0.00	0.00	—	375
Water	—	—	—	—	—	—	—	—	—	—	—	37.1	3.90	41.0	3.80	0.09	—	163
Waste	—	—	—	—	—	—	—	—	—	—	—	548	0.00	548	54.8	0.00	—	1,918
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	608	608
Stationary	0.41	0.40	1.33	6.91	0.01	0.06	0.00	0.06	0.06	0.00	0.06	0.00	1,387	1,387	0.06	0.01	0.00	1,392
Total	44.7	42.9	15.2	174	0.44	0.30	47.5	47.8	0.28	12.0	12.3	585	45,612	46,198	60.3	1.85	635	48,892
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.67	3.39	2.51	27.3	0.08	0.04	8.66	8.70	0.04	2.20	2.23	—	7,248	7,248	0.27	0.29	4.47	7,345
Area	4.41	4.36	0.03	3.13	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	0.00	11.7	11.7	< 0.005	< 0.005	—	11.7
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	62.1	62.1	0.00	0.00	—	62.1

Water	—	—	—	—	—	—	—	—	—	—	—	6.14	0.65	6.78	0.63	0.01	—	27.0
Waste	—	—	—	—	—	—	—	—	—	—	—	90.7	0.00	90.7	9.07	0.00	—	317
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	101	101
Stationary	0.07	0.07	0.24	1.26	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	230	230	0.01	< 0.005	0.00	230
Total	8.15	7.83	2.78	31.7	0.08	0.05	8.66	8.72	0.05	2.20	2.25	96.9	7,552	7,649	9.98	0.31	105	8,095

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	21.8	20.3	13.0	173	0.47	0.22	50.4	50.6	0.21	12.8	13.0	—	48,144	48,144	1.61	1.73	65.2	48,764
Area	17.6	17.6	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	375	375	0.00	0.00	—	375
Water	—	—	—	—	—	—	—	—	—	—	—	37.1	3.90	41.0	3.80	0.09	—	163
Waste	—	—	—	—	—	—	—	—	—	—	—	548	0.00	548	54.8	0.00	—	1,918
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	608	608
Stationary	3.99	3.92	12.9	67.3	0.13	0.57	0.00	0.57	0.57	0.00	0.57	0.00	13,499	13,499	0.54	0.11	0.00	13,544
Total	43.4	41.8	26.0	240	0.60	0.79	50.4	51.2	0.78	12.8	13.6	585	62,022	62,607	60.7	1.92	674	65,373
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	21.2	19.6	15.2	160	0.44	0.22	50.4	50.6	0.21	12.8	13.0	—	45,254	45,254	1.80	1.90	1.69	45,866
Area	17.6	17.6	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	375	375	0.00	0.00	—	375
Water	—	—	—	—	—	—	—	—	—	—	—	37.1	3.90	41.0	3.80	0.09	—	163
Waste	—	—	—	—	—	—	—	—	—	—	—	548	0.00	548	54.8	0.00	—	1,918

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	608	608
Stationary	3.99	3.92	12.9	67.3	0.13	0.57	0.00	0.57	0.57	0.00	0.57	0.00	13,499	13,499	0.54	0.11	0.00	13,544
Total	42.8	41.1	28.2	227	0.57	0.79	50.4	51.2	0.78	12.8	13.6	585	59,133	59,718	60.9	2.09	610	62,474
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	20.1	18.6	13.7	150	0.43	0.21	47.5	47.7	0.20	12.0	12.2	—	43,776	43,776	1.64	1.75	27.0	44,366
Area	17.6	17.6	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	375	375	0.00	0.00	—	375
Water	—	—	—	—	—	—	—	—	—	—	—	37.1	3.90	41.0	3.80	0.09	—	163
Waste	—	—	—	—	—	—	—	—	—	—	—	548	0.00	548	54.8	0.00	—	1,918
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	608	608
Stationary	0.41	0.40	1.33	6.91	0.01	0.06	0.00	0.06	0.06	0.00	0.06	0.00	1,387	1,387	0.06	0.01	0.00	1,392
Total	38.1	36.6	15.1	157	0.44	0.27	47.5	47.7	0.26	12.0	12.3	585	45,542	46,127	60.3	1.85	635	48,822
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.67	3.39	2.51	27.3	0.08	0.04	8.66	8.70	0.04	2.20	2.23	—	7,248	7,248	0.27	0.29	4.47	7,345
Area	3.21	3.21	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	62.1	62.1	0.00	0.00	—	62.1
Water	—	—	—	—	—	—	—	—	—	—	—	6.14	0.65	6.78	0.63	0.01	—	27.0
Waste	—	—	—	—	—	—	—	—	—	—	—	90.7	0.00	90.7	9.07	0.00	—	317
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	101	101
Stationary	0.07	0.07	0.24	1.26	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	230	230	0.01	< 0.005	0.00	230
Total	6.96	6.68	2.75	28.6	0.08	0.05	8.66	8.71	0.05	2.20	2.24	96.9	7,540	7,637	9.98	0.31	105	8,083

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	375	375	0.00	0.00	—	375
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	375	375	0.00	0.00	—	375
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	375	375	0.00	0.00	—	375
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	375	375	0.00	0.00	—	375
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	62.1	62.1	0.00	0.00	—	62.1
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	62.1	62.1	0.00	0.00	—	62.1

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.06	0.06	0.00	0.00	—	0.06
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	375	375	0.00	0.00	—	375
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05	0.00	0.00	—	0.05
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03	0.00	0.00	—	0.03
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04	0.00	0.00	—	0.04
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	375	375	0.00	0.00	—	375
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	375	375	0.00	0.00	—	375
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	375	375	0.00	0.00	—	375
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	62.1	62.1	0.00	0.00	—	62.1

University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	62.1	62.1	0.00	0.00	—	62.1

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	17.1	17.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	3.97	3.97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	6.20	5.72	0.29	34.8	< 0.005	0.06	—	0.06	0.05	—	0.05	—	143	143	0.01	< 0.005	—	144
Total	27.3	26.8	0.29	34.8	< 0.005	0.06	—	0.06	0.05	—	0.05	0.00	143	143	0.01	< 0.005	—	144
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	17.1	17.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	3.97	3.97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	21.1	21.1	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	3.12	3.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.72	0.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.56	0.51	0.03	3.13	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	11.7	11.7	< 0.005	< 0.005	—	11.7
Total	4.41	4.36	0.03	3.13	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	0.00	11.7	11.7	< 0.005	< 0.005	—	11.7

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	15.8	15.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.76	1.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	17.6	17.6	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	15.8	15.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.76	1.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	17.6	17.6	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	2.89	2.89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	0.32	0.32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	3.21	3.21	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	37.1	3.73	40.8	3.80	0.09	—	163
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.17	0.17	0.00	0.00	—	0.17
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclose Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	37.1	3.90	41.0	3.80	0.09	—	163
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	37.1	3.73	40.8	3.80	0.09	—	163
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.17	0.17	0.00	0.00	—	0.17
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	37.1	3.90	41.0	3.80	0.09	—	163
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	6.14	0.62	6.76	0.63	0.01	—	26.9
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.03	0.03	0.00	0.00	—	0.03
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	6.14	0.65	6.78	0.63	0.01	—	27.0

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	37.1	3.73	40.8	3.80	0.09	—	163
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.17	0.17	0.00	0.00	—	0.17
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	37.1	3.90	41.0	3.80	0.09	—	163
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	37.1	3.73	40.8	3.80	0.09	—	163

University/Colleg	—	—	—	—	—	—	—	—	—	—	—	0.00	0.17	0.17	0.00	0.00	—	0.17
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	37.1	3.90	41.0	3.80	0.09	—	163
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	6.14	0.62	6.76	0.63	0.01	—	26.9
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.03	0.03	0.00	0.00	—	0.03
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	6.14	0.65	6.78	0.63	0.01	—	27.0

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	548	0.00	548	54.8	0.00	—	1,918
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	548	0.00	548	54.8	0.00	—	1,918
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	548	0.00	548	54.8	0.00	—	1,918
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	548	0.00	548	54.8	0.00	—	1,918
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	90.7	0.00	90.7	9.07	0.00	—	317
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclose Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	90.7	0.00	90.7	9.07	0.00	—	317

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	548	0.00	548	54.8	0.00	—	1,918
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	548	0.00	548	54.8	0.00	—	1,918
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	548	0.00	548	54.8	0.00	—	1,918
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	548	0.00	548	54.8	0.00	—	1,918
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Researc & Developm	— ent	—	—	—	—	—	—	—	—	—	—	90.7	0.00	90.7	9.07	0.00	—	317
Universit y/Colleg e (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	90.7	0.00	90.7	9.07	0.00	—	317

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	316	316
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	291	291
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.20	0.20
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.16	0.16
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	608	608
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	316	316
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	291	291
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.20	0.20
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.16	0.16
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	608	608
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	52.4	52.4
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	48.2	48.2
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	101	101

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	316	316
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	291	291
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.20	0.20
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.16	0.16
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	608	608
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	316	316
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	291	291
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.20	0.20
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.16	0.16
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	608	608
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	52.4	52.4
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	48.2	48.2
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	101	101

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	3.99	3.92	12.9	67.3	0.13	0.57	0.00	0.57	0.57	0.00	0.57	0.00	13,499	13,499	0.54	0.11	0.00	13,544
Total	3.99	3.92	12.9	67.3	0.13	0.57	0.00	0.57	0.57	0.00	0.57	0.00	13,499	13,499	0.54	0.11	0.00	13,544
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	3.99	3.92	12.9	67.3	0.13	0.57	0.00	0.57	0.57	0.00	0.57	0.00	13,499	13,499	0.54	0.11	0.00	13,544
Total	3.99	3.92	12.9	67.3	0.13	0.57	0.00	0.57	0.57	0.00	0.57	0.00	13,499	13,499	0.54	0.11	0.00	13,544
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.07	0.07	0.24	1.26	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	230	230	0.01	< 0.005	0.00	230
Total	0.07	0.07	0.24	1.26	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	230	230	0.01	< 0.005	0.00	230

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	3.99	3.92	12.9	67.3	0.13	0.57	0.00	0.57	0.57	0.00	0.57	0.00	13,499	13,499	0.54	0.11	0.00	13,544
Total	3.99	3.92	12.9	67.3	0.13	0.57	0.00	0.57	0.57	0.00	0.57	0.00	13,499	13,499	0.54	0.11	0.00	13,544

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	3.99	3.92	12.9	67.3	0.13	0.57	0.00	0.57	0.57	0.00	0.57	0.00	13,499	13,499	0.54	0.11	0.00	13,544
Total	3.99	3.92	12.9	67.3	0.13	0.57	0.00	0.57	0.57	0.00	0.57	0.00	13,499	13,499	0.54	0.11	0.00	13,544
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.07	0.07	0.24	1.26	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	230	230	0.01	< 0.005	0.00	230
Total	0.07	0.07	0.24	1.26	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	230	230	0.01	< 0.005	0.00	230

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	8,484	8,484	8,484	2,969,400	71,480	71,480	71,480	25,018,000

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	8,484	8,484	8,484	2,969,400	71,480	71,480	71,480	25,018,000

5.10. Operational Area Sources

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	2,049,000	715,000	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Office Park	0.00	7.14	0.0000	0.0000	0.00
Research & Development	19,162,260	7.14	0.0000	0.0000	0.00
University/College (4yr)	0.00	7.14	0.0000	0.0000	0.00
General Office Building	0.00	7.14	0.0000	0.0000	0.00
Regional Shopping Center	0.00	7.14	0.0000	0.0000	0.00
Hotel	0.00	7.14	0.0000	0.0000	0.00
Apartments Mid Rise	0.00	7.14	0.0000	0.0000	0.00
Enclosed Parking with Elevator	0.00	7.14	0.0000	0.0000	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Office Park	0.00	7.14	0.0000	0.0000	0.00
Research & Development	19,162,260	7.14	0.0000	0.0000	0.00
University/College (4yr)	0.00	7.14	0.0000	0.0000	0.00
General Office Building	0.00	7.14	0.0000	0.0000	0.00
Regional Shopping Center	0.00	7.14	0.0000	0.0000	0.00
Hotel	0.00	7.14	0.0000	0.0000	0.00
Apartments Mid Rise	0.00	7.14	0.0000	0.0000	0.00
Enclosed Parking with Elevator	0.00	7.14	0.0000	0.0000	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Office Park	0.00	0.00
Research & Development	19,344,400	13,280,000
University/College (4yr)	0.00	2,293,200
General Office Building	0.00	0.00
Regional Shopping Center	0.00	0.00
Hotel	0.00	0.00
Apartments Mid Rise	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)

Office Park	0.00	0.00
Research & Development	19,344,400	13,280,000
University/College (4yr)	0.00	2,293,200
General Office Building	0.00	0.00
Regional Shopping Center	0.00	0.00
Hotel	0.00	0.00
Apartments Mid Rise	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	0.00	—
Research & Development	1,017	—
University/College (4yr)	0.00	—
General Office Building	0.00	—
Regional Shopping Center	0.00	—
Hotel	0.00	—
Apartments Mid Rise	0.00	—
Enclosed Parking with Elevator	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	0.00	—
Research & Development	1,017	—
University/College (4yr)	0.00	—
General Office Building	0.00	—

Regional Shopping Center	0.00	—
Hotel	0.00	—
Apartments Mid Rise	0.00	—
Enclosed Parking with Elevator	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Research & Development	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

Office Park	Chillers	User Defined	630	36.2	1.00	1.00	20.0
Research & Development	Other commercial A/C and heat pumps	User Defined	466	12.9	1.00	1.00	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Research & Development	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Office Park	Chillers	User Defined	630	36.2	1.00	1.00	20.0
Research & Development	Other commercial A/C and heat pumps	User Defined	466	12.9	1.00	1.00	18.0

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	6.00	4.00	150	670	0.73

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	Project in urban environment
Land Use	Office acres include acres for office, R&D, and academic. Active use acres partially shared with R&D acres. No housing or garage during Phase 1+2.
Construction: Construction Phases	Data provided by SKS
Construction: Off-Road Equipment	Data provided by SKS. Accounts for project design feature of Tier 4 engines (equipment greater than 25 HP).
Construction: Dust From Material Movement	Data provided by SKS. Accounts for CBP AIR-2.
Construction: Trips and VMT	Data provided by SKS. Defaults used where project-specific inputs not available.
Construction: Paving	Data provided by SKS
Construction: On-Road Fugitive Dust	Accounts for CBP AIR-2. Silt loading modified per BAAQMD CEQA Guidelines.
Construction: Architectural Coatings	Distributed coating square footages to phases based on buildings constructed in each phase.
Characteristics: Utility Information	Per PG&E's 2023 PCL adjusted to account for RPS. CO2 is CO2e.
Operations: Energy Use	Energy consumption value is for all project land uses (estimates by building type not available). Estimate provided by SKS and accounts for energy efficiency and renewable energy project design elements. No building natural gas consumption.
Operations: Water and Waste Water	Indoor and outdoor water consumption values are for all project land uses (estimates by building type not available). Indoor estimate modeled under R&D land use type. Outdoor water estimate modeled under University land use type. Outdoor intensity factors adjusted to account for use of reclaimed water (no supply). Estimates provided by SKS and account for water efficiency project design elements. Cooling tower water estimate modeled under R&D land use type (outdoor, not reclaimed).
Operations: Solid Waste	Waste generation value is for all project land uses (estimates by building type not available). Estimate provided by SKS and accounts for waste reduction project design elements.

Operations: Refrigerants	Refrigerant quantities for project-wide Centrifugal Chillers and Building A/C Heat Pumps provided by SKS and modeled under Office and R&D land use type. Default pumps from other land use types removed to avoid double counting. Defaults retained for building refrigerators and freezers.
Operations: Generators + Pumps EF	TOG/ROG, NOx, and PM emission factors revised for Tier 4 generator standards per Cal. Code Regs. Tit. 13, § 242 Generator Standards.
Operations: Emergency Generators and Fire Pumps	Data per SKS. 2-4 hr./mo. (testing) (50 annual hours); 100 hrs./year (emergency per BAAQMD) = 150 total annual hours per generator
Operations: Architectural Coatings	Exterior coating equal to Alt 1. Interior coating accounts for reduced floor/ceiling slab.
Operations: Hearths	No hearth

E1.2.3 Phases 1, 2, and 3 Operations CalEEMod Output

The CalEEMod output presents model inputs and outputs for operation of land uses constructed under the CEQA Reduced Density Alternative, Phases 1, 2, and 3. All structures were assumed to be fully occupied the first year following completion of construction (i.e., 2031 for Phase 1, 2034 for Phase 2; 2037 for Phase 3). Note that CEQA Proposed Project, Phases 1, 2, and 3, landscaping emissions (including additional energy emissions from electrified equipment under the mitigated condition) were used in place of the estimates shown in this file to ensure consistency between the alternatives. Refer to Section D1.2, *Operations*, for additional information.

Note that the mitigated condition in all CalEEMod outputs does not account for Mitigation Measure TRAN-1. Based on modeling from Fehr & Peers, the measure would achieve a 7.5 percent reduction in trips and VMT (Tan pers. comm. [A]). Accordingly, mobile-source emissions from CalEEMod were manually reduced by 7.5 percent to account for implementation of Mitigation Measure TRAN-1.

Neither total operation nor mobile-source emissions results in the CalEEMod output are adjusted to reflect the June 12, 2025, congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has developed off-model adjustment factors for NO_X, ROG, PM_{10}, and $PM_{2.5}$ that remove the estimated emissions benefits attributed to regulations. Emissions of these pollutants were separately quantified using the project-specific traffic data and emission factors from EMFAC2021 with the off-model adjustments per CARB's guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for mobile sources and the total operational emissions recalculated. Refer to Section E1.2.5 for the off-model calculations.

Moffett Alt 2 Operation Phase 1, 2, and 3 Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Moffett Alt 2 Operation Phase 1, 2, and 3
Operational Year	2037
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	28.2
Location	37.40646021370499, -122.05214834788202
County	Santa Clara
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1702
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	155	1000sqft	10.2	155,000	0.00	0.00	—	—
Research & Development	595	1000sqft	0.00	595,000	0.00	0.00	—	—

University/College (4yr)	78.0	Student	0.00	115,000	0.00	0.00	—	—
General Office Building	25.0	1000sqft	1.10	25,000	0.00	0.00	—	—
Regional Shopping Center	70.0	1000sqft	0.60	70,000	0.00	0.00	—	—
Hotel	100	Room	0.00	75,000	0.00	0.00	—	—
Apartments Mid Rise	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	—
Enclosed Parking with Elevator	555	1000sqft	1.40	555,000	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Area Sources	AS-1	Use Low-VOC Cleaning Supplies
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment
Area Sources	AS-2	Use Low-VOC Paints

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	71.6	68.7	33.3	374	0.77	1.13	66.0	67.1	1.09	16.7	17.8	758	79,441	80,200	78.6	2.39	839	83,716
Mit.	54.9	52.9	32.7	305	0.77	1.01	66.0	67.0	0.99	16.7	17.7	758	79,157	79,915	78.6	2.39	839	83,431
% Reduced	23%	23%	2%	18%	1%	11%	—	< 0.5%	9%	—	1%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	58.6	56.6	35.4	288	0.73	1.01	66.0	67.0	0.99	16.7	17.7	758	75,464	76,223	78.8	2.60	789	79,756
Mit.	54.2	52.2	35.4	288	0.73	1.01	66.0	67.0	0.99	16.7	17.7	758	75,464	76,223	78.8	2.60	789	79,756
% Reduced	8%	8%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	58.6	56.3	18.4	229	0.56	0.38	62.1	62.5	0.35	15.8	16.1	758	57,586	58,345	78.0	2.30	809	61,787
Mit.	48.0	46.2	18.1	195	0.56	0.32	62.1	62.5	0.30	15.8	16.1	758	57,446	58,205	78.0	2.30	809	61,647
% Reduced	18%	18%	2%	15%	< 0.5%	16%	—	< 0.5%	13%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	10.7	10.3	3.36	41.9	0.10	0.07	11.3	11.4	0.06	2.88	2.94	126	9,534	9,660	12.9	0.38	134	10,230
Mit.	8.77	8.44	3.31	35.7	0.10	0.06	11.3	11.4	0.06	2.88	2.93	126	9,511	9,636	12.9	0.38	134	10,206
% Reduced	18%	18%	2%	15%	< 0.5%	16%	—	< 0.5%	13%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	26.8	24.9	15.5	216	0.60	0.25	66.0	66.2	0.24	16.7	17.0	—	61,035	61,035	1.92	2.14	51.5	61,771
Area	39.5	38.6	0.58	69.2	< 0.005	0.12	—	0.12	0.09	—	0.09	0.00	284	284	0.01	< 0.005	—	285
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	122	122	0.00	0.00	—	122
Water	—	—	—	—	—	—	—	—	—	—	—	46.6	1.24	47.8	4.77	0.11	—	201
Waste	—	—	—	—	—	—	—	—	—	—	—	712	0.00	712	71.2	0.00	—	2,491

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	787	787
Stationary	5.32	5.23	17.3	89.7	0.17	0.76	0.00	0.76	0.76	0.00	0.76	0.00	17,999	17,999	0.72	0.14	0.00	18,059
Total	71.6	68.7	33.3	374	0.77	1.13	66.0	67.1	1.09	16.7	17.8	758	79,441	80,200	78.6	2.39	839	83,716
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	26.1	24.2	18.2	198	0.56	0.25	66.0	66.2	0.24	16.7	17.0	—	57,342	57,342	2.13	2.35	1.34	58,096
Area	27.2	27.2	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	122	122	0.00	0.00	—	122
Water	—	—	—	—	—	—	—	—	—	—	—	46.6	1.24	47.8	4.77	0.11	—	201
Waste	—	—	—	—	—	—	—	—	—	—	—	712	0.00	712	71.2	0.00	—	2,491
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	787	787
Stationary	5.32	5.23	17.3	89.7	0.17	0.76	0.00	0.76	0.76	0.00	0.76	0.00	17,999	17,999	0.72	0.14	0.00	18,059
Total	58.6	56.6	35.4	288	0.73	1.01	66.0	67.0	0.99	16.7	17.7	758	75,464	76,223	78.8	2.60	789	79,756
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	24.8	22.9	16.4	186	0.54	0.24	62.1	62.4	0.23	15.8	16.0	—	55,474	55,474	1.96	2.17	21.3	56,190
Area	33.3	32.8	0.29	34.1	< 0.005	0.06	—	0.06	0.05	—	0.05	0.00	140	140	0.01	< 0.005	—	141
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	122	122	0.00	0.00	—	122
Water	—	—	—	—	—	—	—	—	—	—	—	46.6	1.24	47.8	4.77	0.11	—	201
Waste	—	—	—	—	—	—	—	—	—	—	—	712	0.00	712	71.2	0.00	—	2,491
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	787	787
Stationary	0.55	0.54	1.77	9.22	0.02	0.08	0.00	0.08	0.08	0.00	0.08	0.00	1,849	1,849	0.07	0.01	0.00	1,855
Total	58.6	56.3	18.4	229	0.56	0.38	62.1	62.5	0.35	15.8	16.1	758	57,586	58,345	78.0	2.30	809	61,787
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.52	4.19	2.99	34.0	0.10	0.04	11.3	11.4	0.04	2.88	2.92	—	9,184	9,184	0.32	0.36	3.53	9,303
Area	6.07	5.99	0.05	6.22	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	23.2	23.2	< 0.005	< 0.005	—	23.3
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	20.2	20.2	0.00	0.00	—	20.2

Water	—	—	—	—	—	—	—	—	—	—	—	7.71	0.20	7.91	0.79	0.02	—	33.3
Waste	—	—	—	—	—	—	—	—	—	—	—	118	0.00	118	11.8	0.00	—	412
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	130	130
Stationary	0.10	0.10	0.32	1.68	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	306	306	0.01	< 0.005	0.00	307
Total	10.7	10.3	3.36	41.9	0.10	0.07	11.3	11.4	0.06	2.88	2.94	126	9,534	9,660	12.9	0.38	134	10,230

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	26.8	24.9	15.5	216	0.60	0.25	66.0	66.2	0.24	16.7	17.0	—	61,035	61,035	1.92	2.14	51.5	61,771
Area	22.7	22.7	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	122	122	0.00	0.00	—	122
Water	—	—	—	—	—	—	—	—	—	—	—	46.6	1.24	47.8	4.77	0.11	—	201
Waste	—	—	—	—	—	—	—	—	—	—	—	712	0.00	712	71.2	0.00	—	2,491
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	787	787
Stationary	5.32	5.23	17.3	89.7	0.17	0.76	0.00	0.76	0.76	0.00	0.76	0.00	17,999	17,999	0.72	0.14	0.00	18,059
Total	54.9	52.9	32.7	305	0.77	1.01	66.0	67.0	0.99	16.7	17.7	758	79,157	79,915	78.6	2.39	839	83,431
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	26.1	24.2	18.2	198	0.56	0.25	66.0	66.2	0.24	16.7	17.0	—	57,342	57,342	2.13	2.35	1.34	58,096
Area	22.7	22.7	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	122	122	0.00	0.00	—	122
Water	—	—	—	—	—	—	—	—	—	—	—	46.6	1.24	47.8	4.77	0.11	—	201
Waste	—	—	—	—	—	—	—	—	—	—	—	712	0.00	712	71.2	0.00	—	2,491

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	787	787
Stationary	5.32	5.23	17.3	89.7	0.17	0.76	0.00	0.76	0.76	0.00	0.76	0.00	17,999	17,999	0.72	0.14	0.00	18,059
Total	54.2	52.2	35.4	288	0.73	1.01	66.0	67.0	0.99	16.7	17.7	758	75,464	76,223	78.8	2.60	789	79,756
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	24.8	22.9	16.4	186	0.54	0.24	62.1	62.4	0.23	15.8	16.0	—	55,474	55,474	1.96	2.17	21.3	56,190
Area	22.7	22.7	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	122	122	0.00	0.00	—	122
Water	—	—	—	—	—	—	—	—	—	—	—	46.6	1.24	47.8	4.77	0.11	—	201
Waste	—	—	—	—	—	—	—	—	—	—	—	712	0.00	712	71.2	0.00	—	2,491
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	787	787
Stationary	0.55	0.54	1.77	9.22	0.02	0.08	0.00	0.08	0.08	0.00	0.08	0.00	1,849	1,849	0.07	0.01	0.00	1,855
Total	48.0	46.2	18.1	195	0.56	0.32	62.1	62.5	0.30	15.8	16.1	758	57,446	58,205	78.0	2.30	809	61,647
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.52	4.19	2.99	34.0	0.10	0.04	11.3	11.4	0.04	2.88	2.92	—	9,184	9,184	0.32	0.36	3.53	9,303
Area	4.15	4.15	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	20.2	20.2	0.00	0.00	—	20.2
Water	—	—	—	—	—	—	—	—	—	—	—	7.71	0.20	7.91	0.79	0.02	—	33.3
Waste	—	—	—	—	—	—	—	—	—	—	—	118	0.00	118	11.8	0.00	—	412
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	130	130
Stationary	0.10	0.10	0.32	1.68	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	306	306	0.01	< 0.005	0.00	307
Total	8.77	8.44	3.31	35.7	0.10	0.06	11.3	11.4	0.06	2.88	2.93	126	9,511	9,636	12.9	0.38	134	10,206

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	122	122	0.00	0.00	—	122
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	122	122	0.00	0.00	—	122
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	122	122	0.00	0.00	—	122
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	122	122	0.00	0.00	—	122
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	20.2	20.2	0.00	0.00	—	20.2
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	20.2	20.2	0.00	0.00	—	20.2

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02	0.00	0.00	—	0.02
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	122	122	0.00	0.00	—	122
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02	0.00	0.00	—	0.02
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.08	0.08	0.00	0.00	—	0.08
Total	—	—	—	—	—	—	—	—	—	—	—	—	122	122	0.00	0.00	—	122
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	122	122	0.00	0.00	—	122
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	122	122	0.00	0.00	—	122
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	20.2	20.2	0.00	0.00	—	20.2

University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	20.2	20.2	0.00	0.00	—	20.2

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	22.2	22.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	5.05	5.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	12.3	11.4	0.58	69.2	< 0.005	0.12	—	0.12	0.09	—	0.09	—	284	284	0.01	< 0.005	—	285
Total	39.5	38.6	0.58	69.2	< 0.005	0.12	—	0.12	0.09	—	0.09	0.00	284	284	0.01	< 0.005	—	285
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	22.2	22.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.05	5.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	27.2	27.2	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	4.04	4.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.92	0.92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.11	1.02	0.05	6.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	23.2	23.2	< 0.005	< 0.005	—	23.3
Total	6.07	5.99	0.05	6.22	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	23.2	23.2	< 0.005	< 0.005	—	23.3

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	20.5	20.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.24	2.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	22.7	22.7	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	20.5	20.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.24	2.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	22.7	22.7	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	3.74	3.74	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	0.41	0.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	4.15	4.15	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	46.6	1.18	47.8	4.77	0.11	—	201
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.05	0.05	0.00	0.00	—	0.05
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclose Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	46.6	1.24	47.8	4.77	0.11	—	201
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	46.6	1.18	47.8	4.77	0.11	—	201
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.05	0.05	0.00	0.00	—	0.05
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	46.6	1.24	47.8	4.77	0.11	—	201
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	7.71	0.20	7.91	0.79	0.02	—	33.3
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.01	0.01	0.00	0.00	—	0.01
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	7.71	0.20	7.91	0.79	0.02	—	33.3

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	46.6	1.18	47.8	4.77	0.11	—	201
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.05	0.05	0.00	0.00	—	0.05
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	46.6	1.24	47.8	4.77	0.11	—	201
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	46.6	1.18	47.8	4.77	0.11	—	201

University/Colleg	—	—	—	—	—	—	—	—	—	—	—	0.00	0.05	0.05	0.00	0.00	—	0.05
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	46.6	1.24	47.8	4.77	0.11	—	201
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	7.71	0.20	7.91	0.79	0.02	—	33.3
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.01	0.01	0.00	0.00	—	0.01
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	7.71	0.20	7.91	0.79	0.02	—	33.3

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	712	0.00	712	71.2	0.00	—	2,491
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	712	0.00	712	71.2	0.00	—	2,491
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	712	0.00	712	71.2	0.00	—	2,491
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	712	0.00	712	71.2	0.00	—	2,491
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	118	0.00	118	11.8	0.00	—	412
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclose Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	118	0.00	118	11.8	0.00	—	412

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	712	0.00	712	71.2	0.00	—	2,491
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	712	0.00	712	71.2	0.00	—	2,491
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	712	0.00	712	71.2	0.00	—	2,491
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	712	0.00	712	71.2	0.00	—	2,491
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Research & Development	—	—	—	—	—	—	—	—	—	—	—	118	0.00	118	11.8	0.00	—	412
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	118	0.00	118	11.8	0.00	—	412

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	409	409
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	377	377
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23	0.23
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	787	787
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	409	409
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	377	377
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23	0.23
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	787	787
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	67.8	67.8
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	62.5	62.5
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	130	130

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	409	409
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	377	377
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23	0.23
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	787	787
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	409	409
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	377	377
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23	0.23
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	787	787
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	67.8	67.8
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	62.5	62.5
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	130	130

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	5.32	5.23	17.3	89.7	0.17	0.76	0.00	0.76	0.76	0.00	0.76	0.00	17,999	17,999	0.72	0.14	0.00	18,059
Total	5.32	5.23	17.3	89.7	0.17	0.76	0.00	0.76	0.76	0.00	0.76	0.00	17,999	17,999	0.72	0.14	0.00	18,059
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	5.32	5.23	17.3	89.7	0.17	0.76	0.00	0.76	0.76	0.00	0.76	0.00	17,999	17,999	0.72	0.14	0.00	18,059
Total	5.32	5.23	17.3	89.7	0.17	0.76	0.00	0.76	0.76	0.00	0.76	0.00	17,999	17,999	0.72	0.14	0.00	18,059
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.10	0.10	0.32	1.68	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	306	306	0.01	< 0.005	0.00	307
Total	0.10	0.10	0.32	1.68	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	306	306	0.01	< 0.005	0.00	307

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	5.32	5.23	17.3	89.7	0.17	0.76	0.00	0.76	0.76	0.00	0.76	0.00	17,999	17,999	0.72	0.14	0.00	18,059
Total	5.32	5.23	17.3	89.7	0.17	0.76	0.00	0.76	0.76	0.00	0.76	0.00	17,999	17,999	0.72	0.14	0.00	18,059

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	5.32	5.23	17.3	89.7	0.17	0.76	0.00	0.76	0.76	0.00	0.76	0.00	17,999	17,999	0.72	0.14	0.00	18,059
Total	5.32	5.23	17.3	89.7	0.17	0.76	0.00	0.76	0.76	0.00	0.76	0.00	17,999	17,999	0.72	0.14	0.00	18,059
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.10	0.10	0.32	1.68	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	306	306	0.01	< 0.005	0.00	307
Total	0.10	0.10	0.32	1.68	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	306	306	0.01	< 0.005	0.00	307

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	11,107	11,107	11,107	3,887,450	93,580	93,580	93,580	32,753,000

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	11,107	11,107	11,107	3,887,450	93,580	93,580	93,580	32,753,000

5.10. Operational Area Sources

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	2,608,870	910,305	3,659

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Office Park	0.00	1.79	0.0000	0.0000	0.00
Research & Development	24,877,320	1.79	0.0000	0.0000	0.00
University/College (4yr)	0.00	1.79	0.0000	0.0000	0.00
General Office Building	0.00	1.79	0.0000	0.0000	0.00
Regional Shopping Center	0.00	1.79	0.0000	0.0000	0.00
Hotel	0.00	1.79	0.0000	0.0000	0.00
Apartments Mid Rise	0.00	1.79	0.0000	0.0000	0.00
Enclosed Parking with Elevator	0.00	1.79	0.0000	0.0000	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Office Park	0.00	1.79	0.0000	0.0000	0.00
Research & Development	24,877,320	1.79	0.0000	0.0000	0.00
University/College (4yr)	0.00	1.79	0.0000	0.0000	0.00
General Office Building	0.00	1.79	0.0000	0.0000	0.00
Regional Shopping Center	0.00	1.79	0.0000	0.0000	0.00
Hotel	0.00	1.79	0.0000	0.0000	0.00
Apartments Mid Rise	0.00	1.79	0.0000	0.0000	0.00
Enclosed Parking with Elevator	0.00	1.79	0.0000	0.0000	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Office Park	0.00	0.00
Research & Development	24,301,500	17,120,000
University/College (4yr)	0.00	2,887,900
General Office Building	0.00	0.00
Regional Shopping Center	0.00	0.00
Hotel	0.00	0.00
Apartments Mid Rise	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)

Office Park	0.00	0.00
Research & Development	24,301,500	17,120,000
University/College (4yr)	0.00	2,887,900
General Office Building	0.00	0.00
Regional Shopping Center	0.00	0.00
Hotel	0.00	0.00
Apartments Mid Rise	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	0.00	—
Research & Development	1,321	—
University/College (4yr)	0.00	—
General Office Building	0.00	—
Regional Shopping Center	0.00	—
Hotel	0.00	—
Apartments Mid Rise	0.00	—
Enclosed Parking with Elevator	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	0.00	—
Research & Development	1,321	—
University/College (4yr)	0.00	—
General Office Building	0.00	—

Regional Shopping Center	0.00	—
Hotel	0.00	—
Apartments Mid Rise	0.00	—
Enclosed Parking with Elevator	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Research & Development	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

Office Park	Chillers	User Defined	630	34.7	1.00	1.00	20.0
Research & Development	Other commercial A/C and heat pumps	User Defined	466	12.6	1.00	1.00	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Research & Development	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Office Park	Chillers	User Defined	630	34.7	1.00	1.00	20.0
Research & Development	Other commercial A/C and heat pumps	User Defined	466	12.6	1.00	1.00	18.0

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	8.00	4.00	150	670	0.73

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	Project in urban environment
Land Use	Office acres include acres for office, R&D, and academic. Active use acres partially shared with R&D acres. No housing during Phase 1+2+3.
Construction: Construction Phases	Data provided by SKS
Construction: Off-Road Equipment	Data provided by SKS. Accounts for project design feature of Tier 4 engines (equipment greater than 25 HP).
Construction: Dust From Material Movement	Data provided by SKS. Accounts for CBP AIR-2.
Construction: Trips and VMT	Data provided by SKS. Defaults used where project-specific inputs not available.
Construction: Paving	Data provided by SKS
Construction: On-Road Fugitive Dust	Accounts for CBP AIR-2. Silt loading modified per BAAQMD CEQA Guidelines.
Construction: Architectural Coatings	Distributed coating square footages to phases based on buildings constructed in each phase.
Characteristics: Utility Information	Per PG&E's 2023 PCL adjusted to account for RPS. CO2 is CO2e.
Operations: Energy Use	Energy consumption value is for all project land uses (estimates by building type not available). Estimate provided by SKS and accounts for energy efficiency and renewable energy project design elements. No building natural gas consumption.
Operations: Water and Waste Water	Indoor and outdoor water consumption values are for all project land uses (estimates by building type not available). Indoor estimate modeled under R&D land use type. Outdoor water estimate modeled under University land use type. Outdoor intensity factors adjusted to account for use of reclaimed water (no supply). Estimates provided by SKS and account for water efficiency project design elements. Cooling tower water estimate modeled under R&D land use type (outdoor, not reclaimed).
Operations: Solid Waste	Waste generation value is for all project land uses (estimates by building type not available). Estimate provided by SKS and accounts for waste reduction project design elements.

Operations: Refrigerants	Refrigerant quantities for project-wide Centrifugal Chillers and Building A/C Heat Pumps provided by SKS and modeled under Office and R&D land use type. Default pumps from other land use types removed to avoid double counting. Defaults retained for building refrigerators and freezers.
Operations: Generators + Pumps EF	TOG/ROG, NOx, and PM emission factors revised for Tier 4 generator standards per Cal. Code Regs. Tit. 13, § 242 Generator Standards.
Operations: Emergency Generators and Fire Pumps	Data per SKS. 2-4 hr./mo. (testing) (50 annual hours); 100 hrs./year (emergency per BAAQMD) = 150 total annual hours per generator
Operations: Architectural Coatings	Exterior coating equal to Alt 1. Interior coating accounts for reduced floor/ceiling slab.
Operations: Hearths	No hearth

E1.2.4 Full-Build Operations CalEEMod Output

The CalEEMod output presents model inputs and outputs for operation of the CEQA Reduced Density Alternative under full-build conditions (2040). Note that Alternative 1 landscaping emissions (including additional energy emissions from electrified equipment under the mitigated condition) were used in place of the estimates shown in this file to ensure consistency between the alternatives. Refer to Section D1.2, *Operations*, for additional information.

Note that the mitigated condition in all CalEEMod outputs does not account for Mitigation Measure TRAN-1. Based on modeling from Fehr & Peers, the measure would achieve a 7.5 percent reduction in trips and VMT (Tan pers. comm. [A]). Accordingly, mobile-source emissions from CalEEMod were manually reduced by 7.5 percent to account for implementation of Mitigation Measure TRAN-1.

Neither total operation nor mobile-source emissions results in the CalEEMod output are adjusted to reflect the June 12, 2025, congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has developed off-model adjustment factors for NO_X, ROG, PM_{10}, and $PM_{2.5}$ that remove the estimated emissions benefits attributed to regulations. Emissions of these pollutants were separately quantified using the project-specific traffic data and emission factors from EMFAC2021 with the off-model adjustments per CARB's guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for mobile sources and the total operational emissions recalculated. Refer to Section E1.2.5 for the off-model calculations.

Moffett Alt 2 Operation Full Build Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Moffett Alt 2 Operation Full Build
Operational Year	2040
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	28.2
Location	37.40646021370499, -122.05214834788202
County	Santa Clara
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1702
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	190	1000sqft	12.7	190,000	0.00	0.00	—	—
Research & Development	750	1000sqft	0.00	750,000	0.00	0.00	—	—

University/College (4yr)	95.0	Student	0.00	140,000	0.00	0.00	—	—
General Office Building	25.0	1000sqft	1.10	25,000	0.00	0.00	—	—
Regional Shopping Center	90.0	1000sqft	0.60	90,000	0.00	0.00	—	—
Hotel	100	Room	0.00	75,000	0.00	0.00	—	—
Apartments Mid Rise	145	Dwelling Unit	0.00	130,000	0.00	0.00	0.00	—
Enclosed Parking with Elevator	1,080	1000sqft	2.80	1,080,000	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Area Sources	AS-1	Use Low-VOC Cleaning Supplies
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment
Area Sources	AS-2	Use Low-VOC Paints

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	95.5	91.7	45.2	511	1.01	1.61	84.1	85.7	1.55	21.3	22.9	1,040	103,706	104,747	108	3.03	1,103	109,442
Mit.	70.9	68.6	44.3	400	1.00	1.43	84.1	85.5	1.41	21.3	22.7	1,040	103,264	104,305	108	3.02	1,103	108,999
% Reduced	26%	25%	2%	22%	1%	11%	—	< 0.5%	9%	—	1%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	75.8	73.4	47.5	377	0.96	1.43	84.1	85.5	1.41	21.3	22.7	1,040	98,630	99,670	108	3.28	1,065	104,410
Mit.	70.2	67.8	47.5	377	0.96	1.43	84.1	85.5	1.41	21.3	22.7	1,040	98,630	99,670	108	3.28	1,065	104,410
% Reduced	7%	8%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	76.4	73.5	22.6	297	0.71	0.48	79.2	79.7	0.44	20.1	20.5	1,040	72,300	73,340	107	2.88	1,080	77,944
Mit.	61.4	59.2	22.1	243	0.71	0.39	79.2	79.6	0.38	20.1	20.5	1,040	72,082	73,122	107	2.87	1,080	77,725
% Reduced	20%	19%	2%	18%	< 0.5%	19%	—	< 0.5%	16%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.9	13.4	4.12	54.2	0.13	0.09	14.5	14.5	0.08	3.66	3.75	172	11,970	12,142	17.7	0.48	179	12,904
Mit.	11.2	10.8	4.04	44.3	0.13	0.07	14.5	14.5	0.07	3.66	3.73	172	11,934	12,106	17.7	0.48	179	12,868
% Reduced	20%	19%	2%	18%	< 0.5%	19%	—	< 0.5%	16%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	32.0	29.8	18.4	266	0.75	0.29	84.1	84.4	0.27	21.3	21.6	—	76,099	76,099	2.29	2.62	38.9	76,975
Area	55.5	54.1	0.94	110	0.01	0.19	—	0.19	0.14	—	0.14	0.00	442	442	0.02	< 0.005	—	444
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	164	164	0.00	0.00	—	164
Water	—	—	—	—	—	—	—	—	—	—	—	80.6	1.91	82.5	8.27	0.20	—	348
Waste	—	—	—	—	—	—	—	—	—	—	—	960	0.00	960	95.9	0.00	—	3,358

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,064	1,064
Stationary	7.97	7.85	25.9	135	0.25	1.14	0.00	1.14	1.14	0.00	1.14	0.00	26,999	26,999	1.08	0.21	0.00	27,089
Total	95.5	91.7	45.2	511	1.01	1.61	84.1	85.7	1.55	21.3	22.9	1,040	103,706	104,747	108	3.03	1,103	109,442
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	31.3	29.0	21.6	243	0.70	0.29	84.1	84.4	0.27	21.3	21.6	—	71,464	71,464	2.53	2.88	1.01	72,386
Area	36.6	36.6	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	164	164	0.00	0.00	—	164
Water	—	—	—	—	—	—	—	—	—	—	—	80.6	1.91	82.5	8.27	0.20	—	348
Waste	—	—	—	—	—	—	—	—	—	—	—	960	0.00	960	95.9	0.00	—	3,358
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,064	1,064
Stationary	7.97	7.85	25.9	135	0.25	1.14	0.00	1.14	1.14	0.00	1.14	0.00	26,999	26,999	1.08	0.21	0.00	27,089
Total	75.8	73.4	47.5	377	0.96	1.43	84.1	85.5	1.41	21.3	22.7	1,040	98,630	99,670	108	3.28	1,065	104,410
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	29.7	27.5	19.5	229	0.68	0.28	79.2	79.5	0.26	20.1	20.3	—	69,141	69,141	2.33	2.66	16.1	70,007
Area	45.9	45.2	0.46	54.5	< 0.005	0.09	—	0.09	0.07	—	0.07	0.00	218	218	0.01	< 0.005	—	219
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	164	164	0.00	0.00	—	164
Water	—	—	—	—	—	—	—	—	—	—	—	80.6	1.91	82.5	8.27	0.20	—	348
Waste	—	—	—	—	—	—	—	—	—	—	—	960	0.00	960	95.9	0.00	—	3,358
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,064	1,064
Stationary	0.82	0.81	2.66	13.8	0.03	0.12	0.00	0.12	0.12	0.00	0.12	0.00	2,774	2,774	0.11	0.02	0.00	2,783
Total	76.4	73.5	22.6	297	0.71	0.48	79.2	79.7	0.44	20.1	20.5	1,040	72,300	73,340	107	2.88	1,080	77,944
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.41	5.02	3.55	41.8	0.12	0.05	14.5	14.5	0.05	3.66	3.71	—	11,447	11,447	0.39	0.44	2.66	11,590
Area	8.38	8.25	0.08	9.94	< 0.005	0.02	—	0.02	0.01	—	0.01	0.00	36.1	36.1	< 0.005	< 0.005	—	36.2
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	27.2	27.2	0.00	0.00	—	27.2

Water	—	—	—	—	—	—	—	—	—	—	—	13.3	0.32	13.7	1.37	0.03	—	57.6
Waste	—	—	—	—	—	—	—	—	—	—	—	159	0.00	159	15.9	0.00	—	556
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	176	176
Stationary	0.15	0.15	0.49	2.52	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	459	459	0.02	< 0.005	0.00	461
Total	13.9	13.4	4.12	54.2	0.13	0.09	14.5	14.5	0.08	3.66	3.75	172	11,970	12,142	17.7	0.48	179	12,904

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	32.0	29.8	18.4	266	0.75	0.29	84.1	84.4	0.27	21.3	21.6	—	76,099	76,099	2.29	2.62	38.9	76,975
Area	30.9	30.9	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	165	165	0.00	0.00	—	165
Water	—	—	—	—	—	—	—	—	—	—	—	80.6	1.91	82.5	8.27	0.20	—	348
Waste	—	—	—	—	—	—	—	—	—	—	—	960	0.00	960	95.9	0.00	—	3,358
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,064	1,064
Stationary	7.97	7.85	25.9	135	0.25	1.14	0.00	1.14	1.14	0.00	1.14	0.00	26,999	26,999	1.08	0.21	0.00	27,089
Total	70.9	68.6	44.3	400	1.00	1.43	84.1	85.5	1.41	21.3	22.7	1,040	103,264	104,305	108	3.02	1,103	108,999
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	31.3	29.0	21.6	243	0.70	0.29	84.1	84.4	0.27	21.3	21.6	—	71,464	71,464	2.53	2.88	1.01	72,386
Area	30.9	30.9	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	164	164	0.00	0.00	—	164
Water	—	—	—	—	—	—	—	—	—	—	—	80.6	1.91	82.5	8.27	0.20	—	348
Waste	—	—	—	—	—	—	—	—	—	—	—	960	0.00	960	95.9	0.00	—	3,358

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,064	1,064
Stationary	7.97	7.85	25.9	135	0.25	1.14	0.00	1.14	1.14	0.00	1.14	0.00	26,999	26,999	1.08	0.21	0.00	27,089
Total	70.2	67.8	47.5	377	0.96	1.43	84.1	85.5	1.41	21.3	22.7	1,040	98,630	99,670	108	3.28	1,065	104,410
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	29.7	27.5	19.5	229	0.68	0.28	79.2	79.5	0.26	20.1	20.3	—	69,141	69,141	2.33	2.66	16.1	70,007
Area	30.9	30.9	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	165	165	0.00	0.00	—	165
Water	—	—	—	—	—	—	—	—	—	—	—	80.6	1.91	82.5	8.27	0.20	—	348
Waste	—	—	—	—	—	—	—	—	—	—	—	960	0.00	960	95.9	0.00	—	3,358
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,064	1,064
Stationary	0.82	0.81	2.66	13.8	0.03	0.12	0.00	0.12	0.12	0.00	0.12	0.00	2,774	2,774	0.11	0.02	0.00	2,783
Total	61.4	59.2	22.1	243	0.71	0.39	79.2	79.6	0.38	20.1	20.5	1,040	72,082	73,122	107	2.87	1,080	77,725
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.41	5.02	3.55	41.8	0.12	0.05	14.5	14.5	0.05	3.66	3.71	—	11,447	11,447	0.39	0.44	2.66	11,590
Area	5.64	5.64	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	27.3	27.3	0.00	0.00	—	27.3
Water	—	—	—	—	—	—	—	—	—	—	—	13.3	0.32	13.7	1.37	0.03	—	57.6
Waste	—	—	—	—	—	—	—	—	—	—	—	159	0.00	159	15.9	0.00	—	556
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	176	176
Stationary	0.15	0.15	0.49	2.52	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	459	459	0.02	< 0.005	0.00	461
Total	11.2	10.8	4.04	44.3	0.13	0.07	14.5	14.5	0.07	3.66	3.73	172	11,934	12,106	17.7	0.48	179	12,868

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	164	164	0.00	0.00	—	164
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	164	164	0.00	0.00	—	164
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	164	164	0.00	0.00	—	164
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	164	164	0.00	0.00	—	164
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	27.2	27.2	0.00	0.00	—	27.2
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	27.2	27.2	0.00	0.00	—	27.2

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03	0.00	0.00	—	0.03
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	165	165	0.00	0.00	—	165
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02	0.00	0.00	—	0.02
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02	0.00	0.00	—	0.02
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.15	0.15	0.00	0.00	—	0.15
Total	—	—	—	—	—	—	—	—	—	—	—	—	165	165	0.00	0.00	—	165
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	164	164	0.00	0.00	—	164
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	164	164	0.00	0.00	—	164
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	27.2	27.2	0.00	0.00	—	27.2

University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	27.3	27.3	0.00	0.00	—	27.3

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	30.0	30.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	6.59	6.59	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	19.0	17.5	0.94	110	0.01	0.19	—	0.19	0.14	—	0.14	—	442	442	0.02	< 0.005	—	444
Total	55.5	54.1	0.94	110	0.01	0.19	—	0.19	0.14	—	0.14	0.00	442	442	0.02	< 0.005	—	444
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	30.0	30.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	6.59	6.59	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	36.6	36.6	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	5.47	5.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.20	1.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.71	1.58	0.08	9.94	< 0.005	0.02	—	0.02	0.01	—	0.01	—	36.1	36.1	< 0.005	< 0.005	—	36.2
Total	8.38	8.25	0.08	9.94	< 0.005	0.02	—	0.02	0.01	—	0.01	0.00	36.1	36.1	< 0.005	< 0.005	—	36.2

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	27.7	27.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	3.20	3.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	30.9	30.9	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	27.7	27.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	3.20	3.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	30.9	30.9	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	5.06	5.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	0.58	0.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	5.64	5.64	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	80.6	1.84	82.5	8.27	0.20	—	348
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.07	0.07	0.00	0.00	—	0.07
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclose Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	80.6	1.91	82.5	8.27	0.20	—	348
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	80.6	1.84	82.5	8.27	0.20	—	348
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.07	0.07	0.00	0.00	—	0.07
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	80.6	1.91	82.5	8.27	0.20	—	348
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	13.3	0.30	13.7	1.37	0.03	—	57.6
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.01	0.01	0.00	0.00	—	0.01
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	13.3	0.32	13.7	1.37	0.03	—	57.6

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	80.6	1.84	82.5	8.27	0.20	—	348
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.07	0.07	0.00	0.00	—	0.07
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	80.6	1.91	82.5	8.27	0.20	—	348
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	80.6	1.84	82.5	8.27	0.20	—	348

University/Colleg	—	—	—	—	—	—	—	—	—	—	—	0.00	0.07	0.07	0.00	0.00	—	0.07
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	80.6	1.91	82.5	8.27	0.20	—	348
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	13.3	0.30	13.7	1.37	0.03	—	57.6
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.01	0.01	0.00	0.00	—	0.01
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	13.3	0.32	13.7	1.37	0.03	—	57.6

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

General Office Building	—	—	—	—	—	—	—	—	—	—	—	960	0.00	960	95.9	0.00	—	3,358
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	960	0.00	960	95.9	0.00	—	3,358
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	960	0.00	960	95.9	0.00	—	3,358

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	960	0.00	960	95.9	0.00	—	3,358
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	159	0.00	159	15.9	0.00	—	556
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclose Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	159	0.00	159	15.9	0.00	—	556

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	960	0.00	960	95.9	0.00	—	3,358
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	960	0.00	960	95.9	0.00	—	3,358
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	960	0.00	960	95.9	0.00	—	3,358
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	960	0.00	960	95.9	0.00	—	3,358
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Researc & Developm ent	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Universit y/Colleg e (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	159	0.00	159	15.9	0.00	—	556
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	159	0.00	159	15.9	0.00	—	556

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	554	554
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	509	509
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.32	0.32
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.78	0.78
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,064	1,064
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	554	554
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	509	509
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.32	0.32

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.78	0.78
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,064	1,064
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	91.7	91.7
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	84.3	84.3
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13	0.13
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	176	176

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	554	554
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	509	509
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.32	0.32
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.78	0.78
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,064	1,064
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	554	554

Research	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	509	509
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.32	0.32
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.78	0.78
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,064	1,064
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	91.7	91.7
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	84.3	84.3
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05

Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.13	0.13
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	176	176

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	7.97	7.85	25.9	135	0.25	1.14	0.00	1.14	1.14	0.00	1.14	0.00	26,999	26,999	1.08	0.21	0.00	27,089
Total	7.97	7.85	25.9	135	0.25	1.14	0.00	1.14	1.14	0.00	1.14	0.00	26,999	26,999	1.08	0.21	0.00	27,089
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	7.97	7.85	25.9	135	0.25	1.14	0.00	1.14	1.14	0.00	1.14	0.00	26,999	26,999	1.08	0.21	0.00	27,089
Total	7.97	7.85	25.9	135	0.25	1.14	0.00	1.14	1.14	0.00	1.14	0.00	26,999	26,999	1.08	0.21	0.00	27,089
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.15	0.15	0.49	2.52	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	459	459	0.02	< 0.005	0.00	461
Total	0.15	0.15	0.49	2.52	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	459	459	0.02	< 0.005	0.00	461

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	7.97	7.85	25.9	135	0.25	1.14	0.00	1.14	1.14	0.00	1.14	0.00	26,999	26,999	1.08	0.21	0.00	27,089
Total	7.97	7.85	25.9	135	0.25	1.14	0.00	1.14	1.14	0.00	1.14	0.00	26,999	26,999	1.08	0.21	0.00	27,089
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	7.97	7.85	25.9	135	0.25	1.14	0.00	1.14	1.14	0.00	1.14	0.00	26,999	26,999	1.08	0.21	0.00	27,089
Total	7.97	7.85	25.9	135	0.25	1.14	0.00	1.14	1.14	0.00	1.14	0.00	26,999	26,999	1.08	0.21	0.00	27,089
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.15	0.15	0.49	2.52	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	459	459	0.02	< 0.005	0.00	461
Total	0.15	0.15	0.49	2.52	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	459	459	0.02	< 0.005	0.00	461

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	14,160	14,160	14,160	4,956,000	119,300	119,300	119,300	41,755,000

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	14,160	14,160	14,160	4,956,000	119,300	119,300	119,300	41,755,000

5.10. Operational Area Sources

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
263250	87,750	3,140,238	1,095,610	7,318

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Office Park	0.00	1.79	0.0000	0.0000	0.00
Research & Development	33,618,000	1.79	0.0000	0.0000	0.00
University/College (4yr)	0.00	1.79	0.0000	0.0000	0.00
General Office Building	0.00	1.79	0.0000	0.0000	0.00
Regional Shopping Center	0.00	1.79	0.0000	0.0000	0.00
Hotel	0.00	1.79	0.0000	0.0000	0.00
Apartments Mid Rise	0.00	1.79	0.0000	0.0000	0.00
Enclosed Parking with Elevator	0.00	1.79	0.0000	0.0000	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Office Park	0.00	1.79	0.0000	0.0000	0.00
Research & Development	33,618,000	1.79	0.0000	0.0000	0.00
University/College (4yr)	0.00	1.79	0.0000	0.0000	0.00
General Office Building	0.00	1.79	0.0000	0.0000	0.00
Regional Shopping Center	0.00	1.79	0.0000	0.0000	0.00
Hotel	0.00	1.79	0.0000	0.0000	0.00
Apartments Mid Rise	0.00	1.79	0.0000	0.0000	0.00
Enclosed Parking with Elevator	0.00	1.79	0.0000	0.0000	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)

Office Park	0.00	0.00
Research & Development	42,072,100	20,960,000
University/College (4yr)	0.00	3,704,300
General Office Building	0.00	0.00
Regional Shopping Center	0.00	0.00
Hotel	0.00	0.00
Apartments Mid Rise	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Office Park	0.00	0.00
Research & Development	42,072,100	20,960,000
University/College (4yr)	0.00	3,704,300
General Office Building	0.00	0.00
Regional Shopping Center	0.00	0.00
Hotel	0.00	0.00
Apartments Mid Rise	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	0.00	—
Research & Development	0.00	—
University/College (4yr)	0.00	—
General Office Building	1,781	—

Regional Shopping Center	0.00	—
Hotel	0.00	—
Apartments Mid Rise	0.00	—
Enclosed Parking with Elevator	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	0.00	—
Research & Development	0.00	—
University/College (4yr)	0.00	—
General Office Building	1,781	—
Regional Shopping Center	0.00	—
Hotel	0.00	—
Apartments Mid Rise	0.00	—
Enclosed Parking with Elevator	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Research & Development	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00

University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Office Park	Chillers	User Defined	630	38.3	1.00	1.00	20.0
Research & Development	Other commercial A/C and heat pumps	User Defined	466	13.5	1.00	1.00	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Research & Development	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00

University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Office Park	Chillers	User Defined	630	38.3	1.00	1.00	20.0
Research & Development	Other commercial A/C and heat pumps	User Defined	466	13.5	1.00	1.00	18.0

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	12.0	4.00	150	670	0.73

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	Project in urban environment

Land Use	Office acres include acres for office, R&D, and academic. Active use acres partially shared with R&D acres.
Construction: Construction Phases	Data provided by SKS
Construction: Off-Road Equipment	Data provided by SKS. Accounts for project design feature of Tier 4 engines (equipment greater than 25 HP).
Construction: Dust From Material Movement	Data provided by SKS. Accounts for CBP AIR-2.
Construction: Trips and VMT	Data provided by SKS. Defaults used where project-specific inputs not available.
Construction: Paving	Data provided by SKS
Construction: On-Road Fugitive Dust	Accounts for CBP AIR-2. Silt loading modified per BAAQMD CEQA Guidelines.
Construction: Architectural Coatings	Distributed coating square footages to phases based on buildings constructed in each phase.
Characteristics: Utility Information	Per PG&E's 2023 PCL adjusted to account for RPS. CO2 is CO2e.
Operations: Energy Use	Energy consumption value is for all project land uses (estimates by building type not available). Estimate provided by SKS and accounts for energy efficiency and renewable energy project design elements. No building natural gas consumption.
Operations: Water and Waste Water	Indoor and outdoor water consumption values are for all project land uses (estimates by building type not available). Indoor estimate modeled under R&D land use type. Outdoor water estimate modeled under University land use type. Outdoor intensity factors adjusted to account for use of reclaimed water (no supply). Estimates provided by SKS and account for water efficiency project design elements. Cooling tower water estimate modeled under R&D land use type (outdoor, not reclaimed).
Operations: Solid Waste	Waste generation value is for all project land uses (estimates by building type not available). Estimate provided by SKS and accounts for waste reduction project design elements.
Operations: Refrigerants	Refrigerant quantities for project-wide Centrifugal Chillers and Building A/C Heat Pumps provided by SKS and modeled under Office and R&D land use type. Default pumps from other land use types removed to avoid double counting. Defaults retained for building refrigerators and freezers.
Operations: Generators + Pumps EF	TOG/ROG, NOx, and PM emission factors revised for Tier 4 generator standards per Cal. Code Regs. Tit. 13, § 242 Generator Standards.
Operations: Emergency Generators and Fire Pumps	Data per SKS. 2-4 hr./mo. (testing) (50 annual hours); 100 hrs./year (emergency per BAAQMD) = 150 total annual hours per generator
Operations: Hearths	No hearth
Operations: Architectural Coatings	Exterior coating equal to Alt 1. Interior coating accounts for reduced floor/ceiling slab.

E1.2.5 Adjusted Mobile-Source ROG, NO_X, and PM Emission Factors and Calculations

This section provides the revised ROG, NO_X, and PM mobile-source emissions calculations for operation of the CEQA Reduced Density Alternative (with or without the variant). Adjusted ROG, NO_X, and PM mobile-source emissions were estimated by multiplying the adjusted emission factors (see Section A1.2.9) by the project-specific traffic data. Total annual operational emissions from the CalEEMod outputs were revised, based on the difference in mobile-source emissions between the adjusted (i.e., off-model) and unadjusted (i.e., CalEEMod) results. The revised results were then used to calculate average daily emissions for report presentation.

	CEQA Reduced Density Alternative				CEQA Reduced Density Alternative with Variant
Year	2031	2034	2037	2040	2040
VMT/yr	10,335,500	25,018,000	32,753,000	41,755,000	43,029,000
Trips/yr	1,226,750	2,969,400	3,887,450	4,956,000	5,107,200

Year	ROG (ton/yr)	NOx (ton/yr)	PM10E (ton/yr)	PM10D (ton/yr)	PM10T (ton/yr)	PM2.5E (ton/yr)	PM2.5D (ton/yr)	PM2.5T (ton/yr)
2031	1.5	1.2	0.0	3.6	3.7	0.0	0.9	0.9
2034	3.4	2.8	0.0	8.8	8.9	0.0	2.2	2.3
2037	4.2	3.4	0.0	11.6	11.6	0.0	2.9	3.0
2040	5.1	4.3	0.1	14.8	14.8	0.1	3.7	3.8
2040 (Variant)	5.3	4.5	0.1	15.2	15.3	0.1	3.9	3.9

F.1 CEQA Reduced Density Alternative (NEPA Build Alternative 2) with Variant

F1.1 Construction

The same construction activities proposed and evaluated under the CEQA Reduced Density Alternative would occur under the Variant. Except for Phase 4, the construction activity inputs and emissions presented for the CEQA Reduced Density Alternative in Sections E1.1.1 through E1.1.3 would also occur under with the Variant. Refer to these sections for additional information.

During Phase 4, architectural coating emissions would differ from the CEQA Reduced Density Alternative due to the shift in residential to non-residential construction. The CalEEMod output presents model inputs and outputs for construction of the CEQA Reduced Density Alternative with the Variant, Phase 4.

Neither total construction nor mobile-source emissions results in the CalEEMod output are adjusted to reflect the June 12, 2025, congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has developed off-model adjustment factors for NO_X, ROG, PM_{10}, and $PM_{2.5}$ that remove the estimated emissions benefits attributed to regulations. Emissions of these pollutants were separately quantified using the CalEEMod trip and milage inventory and emission factors from EMFAC2021 with the off-model adjustments per CARB's guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for mobile sources and the total phase emissions recalculated. Refer to Section E1.1.5 for the off-model calculations.

Moffett Alt 2 No Housing Sub-Alternative Construction Phase 4 Custom Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Moffett Alt 2 No Housing Sub-Alternative Construction Phase 4
Construction Start Date	6/1/2036
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	28.2
Location	37.40646021370499, -122.05214834788202
County	Santa Clara
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1702
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	60.0	1000sqft	2.50	60,000	0.00	0.00	—	—
Research & Development	245	1000sqft	0.00	245,000	0.00	0.00	—	—

University/College (4yr)	27.0	Student	0.00	40,000	0.00	0.00	—	—
General Office Building	0.00	1000sqft	0.00	0.00	0.00	0.00	—	—
Regional Shopping Center	20.0	1000sqft	0.00	20,000	0.00	0.00	—	—
Hotel	0.00	Room	0.00	0.00	0.00	0.00	—	—
Apartments Mid Rise	145	Dwelling Unit	0.60	130,000	0.00	0.00	363	—
Enclosed Parking with Elevator	525	1000sqft	1.40	525,000	0.00	0.00	—	—
Parking Lot	0.00	1000sqft	0.00	0.00	0.00	0.00	—	—
Road Construction	1.90	Mile	2.40	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-1-A	Use Electric or Hybrid Powered Equipment
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-4*	Use Local and Sustainable Building Materials
Construction	C-5	Use Advanced Engine Tiers
Construction	C-10-A	Water Exposed Surfaces
Construction	C-10-B	Water Active Demolition Sites
Construction	C-10-C	Water Unpaved Construction Roads
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-13	Use Low-VOC Paints for Construction

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	80.8	76.8	184	277	0.63	3.67	32.6	36.3	3.39	7.45	10.8	—	67,338	67,338	2.73	2.31	11.2	68,105
Mit.	33.1	32.5	58.6	231	0.45	1.66	29.4	30.3	1.57	7.10	8.01	—	51,786	51,786	2.10	2.18	11.2	52,499
% Reduced	59%	58%	68%	16%	28%	55%	10%	17%	54%	5%	26%	—	23%	23%	23%	5%	—	23%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	78.7	75.1	171	257	0.59	3.35	27.4	30.8	3.10	6.45	9.54	—	62,703	62,703	2.55	2.00	0.26	63,364
Mit.	32.5	31.9	59.4	215	0.42	1.66	25.5	26.7	1.57	6.24	7.76	—	47,718	47,718	1.94	1.94	0.26	48,328
% Reduced	59%	57%	65%	16%	29%	50%	7%	13%	49%	3%	19%	—	24%	24%	24%	3%	—	24%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	28.1	25.8	105	157	0.36	1.98	18.0	20.0	1.83	4.28	6.11	—	37,913	37,913	1.52	1.41	2.97	38,236
Mit.	9.86	9.58	25.6	123	0.25	0.68	16.9	17.6	0.67	4.16	4.83	—	28,439	28,439	1.16	1.34	2.97	28,869
% Reduced	65%	63%	76%	21%	30%	65%	6%	12%	64%	3%	21%	—	25%	25%	24%	5%	—	24%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.13	4.71	19.3	28.6	0.07	0.36	3.28	3.64	0.33	0.78	1.12	—	6,277	6,277	0.25	0.23	0.49	6,330
Mit.	1.80	1.75	4.66	22.5	0.05	0.12	3.09	3.21	0.12	0.76	0.88	—	4,708	4,708	0.19	0.22	0.49	4,780
% Reduced	65%	63%	76%	21%	30%	65%	6%	12%	64%	3%	21%	—	25%	25%	24%	5%	—	24%

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	7.34	5.81	58.3	76.0	0.19	1.62	17.3	18.9	1.50	3.77	5.27	—	21,178	21,178	0.91	1.43	7.84	21,635
2037	23.0	18.9	184	277	0.63	3.67	32.6	36.3	3.39	7.45	10.8	—	67,338	67,338	2.73	2.31	11.2	68,105
2038	80.8	76.8	174	269	0.60	3.32	25.2	28.5	3.07	6.34	9.41	—	64,436	64,436	2.60	1.91	8.29	65,079
2039	47.3	44.9	133	184	0.39	1.60	14.3	15.9	1.48	3.56	5.04	—	41,912	41,912	1.62	0.75	3.03	42,179
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	7.23	5.66	56.9	64.8	0.18	1.50	18.6	20.1	1.39	4.41	5.80	—	20,386	20,386	0.88	1.60	0.24	20,885
2037	21.4	17.6	171	257	0.59	3.35	27.4	30.8	3.10	6.45	9.54	—	62,703	62,703	2.55	2.00	0.26	63,364
2038	78.7	75.1	161	239	0.56	2.84	24.0	26.9	2.63	6.05	8.67	—	59,261	59,261	2.41	1.88	0.21	59,881
2039	29.6	27.4	117	163	0.36	1.53	12.6	14.1	1.41	3.14	4.55	—	38,097	38,097	1.49	0.73	0.07	38,351
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	2.02	1.58	16.3	19.2	0.05	0.43	5.10	5.54	0.40	1.17	1.57	—	5,832	5,832	0.25	0.45	1.09	5,973
2037	12.7	10.3	102	144	0.35	1.98	18.0	20.0	1.83	4.28	6.11	—	37,081	37,081	1.51	1.41	2.97	37,541
2038	28.1	25.8	105	157	0.36	1.82	12.9	14.7	1.68	3.23	4.91	—	37,913	37,913	1.52	0.95	1.74	38,236
2039	16.7	16.0	38.3	50.7	0.11	0.42	4.59	5.00	0.39	1.15	1.53	—	11,793	11,793	0.46	0.28	0.48	11,888
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	0.37	0.29	2.97	3.50	0.01	0.08	0.93	1.01	0.07	0.21	0.29	—	966	966	0.04	0.07	0.18	989
2037	2.32	1.89	18.6	26.4	0.06	0.36	3.28	3.64	0.33	0.78	1.12	—	6,139	6,139	0.25	0.23	0.49	6,215
2038	5.13	4.71	19.3	28.6	0.07	0.33	2.35	2.68	0.31	0.59	0.90	—	6,277	6,277	0.25	0.16	0.29	6,330
2039	3.04	2.92	6.99	9.25	0.02	0.08	0.84	0.91	0.07	0.21	0.28	—	1,952	1,952	0.08	0.05	0.08	1,968

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	1.97	1.49	22.4	75.4	0.17	0.34	14.7	15.0	0.34	3.49	3.83	—	20,043	20,043	0.86	1.42	7.84	20,496
2037	7.79	6.46	58.6	231	0.45	1.66	29.4	30.3	1.57	7.10	8.01	—	51,786	51,786	2.10	2.18	11.2	52,499
2038	33.1	32.5	32.7	228	0.43	0.88	25.2	26.1	0.88	6.34	7.22	—	49,318	49,318	1.98	1.79	8.29	49,908
2039	17.0	16.8	11.8	101	0.19	0.37	14.3	14.7	0.37	3.56	3.93	—	22,443	22,443	0.83	0.59	3.03	22,643
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	4.03	3.08	34.2	59.9	0.17	0.86	17.3	18.2	0.81	4.27	5.08	—	19,082	19,082	0.82	1.59	0.24	19,576
2037	7.77	6.36	59.4	215	0.42	1.66	25.5	26.7	1.57	6.24	7.76	—	47,718	47,718	1.94	1.94	0.26	48,328
2038	32.5	31.9	29.8	193	0.39	0.80	24.0	24.8	0.79	6.05	6.84	—	44,142	44,142	1.79	1.75	0.21	44,710
2039	9.58	9.41	12.0	99.3	0.19	0.37	12.6	13.0	0.37	3.14	3.51	—	21,952	21,952	0.83	0.60	0.07	22,150
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	0.92	0.69	8.79	18.5	0.05	0.19	4.56	4.75	0.18	1.11	1.29	—	5,549	5,549	0.24	0.45	1.09	5,689
2037	3.58	3.01	25.6	119	0.25	0.68	16.9	17.6	0.67	4.16	4.83	—	28,439	28,439	1.16	1.34	2.97	28,869
2038	9.86	9.58	16.5	123	0.24	0.47	12.9	13.4	0.47	3.23	3.71	—	26,964	26,964	1.07	0.86	1.74	27,249
2039	6.29	6.22	3.49	24.4	0.05	0.10	4.59	4.68	0.10	1.15	1.24	—	5,969	5,969	0.22	0.23	0.48	6,044
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2036	0.17	0.13	1.60	3.38	0.01	0.03	0.83	0.87	0.03	0.20	0.24	—	919	919	0.04	0.07	0.18	942
2037	0.65	0.55	4.66	21.6	0.05	0.12	3.09	3.21	0.12	0.76	0.88	—	4,708	4,708	0.19	0.22	0.49	4,780
2038	1.80	1.75	3.01	22.5	0.04	0.09	2.35	2.44	0.09	0.59	0.68	—	4,464	4,464	0.18	0.14	0.29	4,511
2039	1.15	1.13	0.64	4.46	0.01	0.02	0.84	0.85	0.02	0.21	0.23	—	988	988	0.04	0.04	0.08	1,001

3. Construction Emissions Details

3.1. 4-C (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.39	1.17	9.98	13.1	0.03	0.26	—	0.26	0.24	—	0.24	—	2,588	2,588	0.10	0.02	—	2,597
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.21	1.80	2.37	< 0.005	0.05	—	0.05	0.04	—	0.04	—	468	468	0.02	< 0.005	—	470
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.33	0.43	< 0.005	0.01	—	0.01	0.01	—	0.01	—	77.5	77.5	< 0.005	< 0.005	—	77.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.46	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	146	146	< 0.005	< 0.005	0.17	147
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.25	0.06	3.79	1.77	0.03	0.06	3.91	3.97	0.06	1.01	1.06	—	3,345	3,345	0.16	0.54	2.83	3,512
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	24.7	24.7	< 0.005	< 0.005	0.01	24.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.71	0.32	0.01	0.01	0.69	0.70	0.01	0.18	0.19	—	605	605	0.03	0.10	0.22	635
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.10	4.10	< 0.005	< 0.005	< 0.005	4.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	100	100	< 0.005	0.02	0.04	105

3.2. 4-C (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.28	3.96	15.3	0.03	0.05	—	0.05	0.05	—	0.05	—	2,588	2,588	0.10	0.02	—	2,597
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.05	0.05	0.72	2.76	< 0.005	0.01	—	0.01	0.01	—	0.01	—	468	468	0.02	< 0.005	—	470
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.13	0.50	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	77.5	77.5	< 0.005	< 0.005	—	77.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.46	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	146	146	< 0.005	< 0.005	0.17	147
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.25	0.06	3.79	1.77	0.03	0.06	3.91	3.97	0.06	1.01	1.06	—	3,345	3,345	0.16	0.54	2.83	3,512
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	24.7	24.7	< 0.005	< 0.005	0.01	24.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.71	0.32	0.01	0.01	0.69	0.70	0.01	0.18	0.19	—	605	605	0.03	0.10	0.22	635
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.10	4.10	< 0.005	< 0.005	< 0.005	4.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	100	100	< 0.005	0.02	0.04	105

3.3. 4-A (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.40	1.17	12.2	17.5	0.02	0.33	—	0.33	0.30	—	0.30	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.12	2.12	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.21	2.21	3.16	< 0.005	0.06	—	0.06	0.05	—	0.05	—	458	458	0.02	< 0.005	—	459
Dust From Material Movemer	—	—	—	—	—	—	0.38	0.38	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.40	0.58	< 0.005	0.01	—	0.01	0.01	—	0.01	—	75.8	75.8	< 0.005	< 0.005	—	76.0

Dust From Material Movemer	—	—	—	—	—	—	0.07	0.07	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.68	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	219	219	< 0.005	< 0.005	0.25	220
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	1.97	0.92	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,740	1,740	0.08	0.28	1.47	1,826
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	37.1	37.1	< 0.005	< 0.005	0.02	37.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	0.01	0.37	0.17	< 0.005	0.01	0.36	0.37	0.01	0.09	0.10	—	315	315	0.02	0.05	0.11	330
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.14	6.14	< 0.005	< 0.005	< 0.005	6.17
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	52.1	52.1	< 0.005	0.01	0.02	54.7

3.4. 4-A (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.60	2.48	< 0.005	0.01	—	0.01	0.01	—	0.01	—	355	355	0.01	< 0.005	—	356
Dust From Material Movemer	—	—	—	—	—	—	0.15	0.15	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.45	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	58.8	58.8	< 0.005	< 0.005	—	59.0
Dust From Material Movemer	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.68	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	219	219	< 0.005	< 0.005	0.25	220
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	1.97	0.92	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,740	1,740	0.08	0.28	1.47	1,826
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	37.1	37.1	< 0.005	< 0.005	0.02	37.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	0.01	0.37	0.17	< 0.005	0.01	0.36	0.37	0.01	0.09	0.10	—	315	315	0.02	0.05	0.11	330
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.14	6.14	< 0.005	< 0.005	< 0.005	6.17
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	52.1	52.1	< 0.005	0.01	0.02	54.7

3.5. 4-M (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.07	0.90	6.54	9.64	0.02	0.27	—	0.27	0.25	—	0.25	—	2,065	2,065	0.08	0.02	—	2,072
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	0.90	6.54	9.64	0.02	0.27	—	0.27	0.25	—	0.25	—	2,065	2,065	0.08	0.02	—	2,072
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.18	1.74	< 0.005	0.05	—	0.05	0.04	—	0.04	—	373	373	0.02	< 0.005	—	375
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.22	0.32	< 0.005	0.01	—	0.01	0.01	—	0.01	—	61.8	61.8	< 0.005	< 0.005	—	62.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.17	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	54.8	54.8	< 0.005	< 0.005	0.06	55.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.15	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	50.7	50.7	< 0.005	< 0.005	< 0.005	50.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.28	9.28	< 0.005	< 0.005	< 0.005	9.31
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	1.54	1.54	< 0.005	< 0.005	< 0.005	1.54
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. 4-M (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.19	1.01	11.9	0.02	0.04	—	0.04	0.04	—	0.04	—	2,065	2,065	0.08	0.02	—	2,072
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.19	1.01	11.9	0.02	0.04	—	0.04	0.04	—	0.04	—	2,065	2,065	0.08	0.02	—	2,072
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.18	2.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	373	373	0.02	< 0.005	—	375
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.03	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	61.8	61.8	< 0.005	< 0.005	—	62.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.17	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	54.8	54.8	< 0.005	< 0.005	0.06	55.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.15	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	50.7	50.7	< 0.005	< 0.005	< 0.005	50.9

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.28	9.28	< 0.005	< 0.005	< 0.005	9.31
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	1.54	1.54	< 0.005	< 0.005	< 0.005	1.54
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. 4-B (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.40	1.17	12.2	17.5	0.02	0.33	—	0.33	0.30	—	0.30	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.40	1.17	12.2	17.5	0.02	0.33	—	0.33	0.30	—	0.30	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movement	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	0.28	2.92	4.18	0.01	0.08	—	0.08	0.07	—	0.07	—	604	604	0.02	< 0.005	—	606
Dust From Material Movement	—	—	—	—	—	—	0.51	0.51	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.53	0.76	< 0.005	0.01	—	0.01	0.01	—	0.01	—	100	100	< 0.005	< 0.005	—	100
Dust From Material Movement	—	—	—	—	—	—	0.09	0.09	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.68	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	219	219	< 0.005	< 0.005	0.25	220
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.13	0.03	1.97	0.92	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,740	1,740	0.08	0.28	1.47	1,826
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.58	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	203	203	< 0.005	< 0.005	0.01	204
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	2.08	0.93	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,740	1,740	0.08	0.28	0.04	1,826
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	49.0	49.0	< 0.005	< 0.005	0.03	49.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.49	0.22	< 0.005	0.01	0.48	0.48	0.01	0.12	0.13	—	415	415	0.02	0.07	0.15	436
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.11	8.11	< 0.005	< 0.005	< 0.005	8.14
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	68.8	68.8	< 0.005	0.01	0.03	72.2

3.8. 4-B (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.80	3.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	469	469	0.02	< 0.005	—	470
Dust From Material Movemer	—	—	—	—	—	—	0.20	0.20	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.15	0.60	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	77.6	77.6	< 0.005	< 0.005	—	77.9
Dust From Material Movemer	—	—	—	—	—	—	0.04	0.04	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.68	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	219	219	< 0.005	< 0.005	0.25	220
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	1.97	0.92	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,740	1,740	0.08	0.28	1.47	1,826
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.58	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	203	203	< 0.005	< 0.005	0.01	204
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	2.08	0.93	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,740	1,740	0.08	0.28	0.04	1,826
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	49.0	49.0	< 0.005	< 0.005	0.03	49.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.49	0.22	< 0.005	0.01	0.48	0.48	0.01	0.12	0.13	—	415	415	0.02	0.07	0.15	436
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.11	8.11	< 0.005	< 0.005	< 0.005	8.14
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	68.8	68.8	< 0.005	0.01	0.03	72.2

3.9. 4-B (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	1.37	1.15	12.0	17.5	0.02	0.29	—	0.29	0.27	—	0.27	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.37	1.15	12.0	17.5	0.02	0.29	—	0.29	0.27	—	0.27	—	2,531	2,531	0.10	0.02	—	2,540
Dust From Material Movemer	—	—	—	—	—	—	2.13	2.13	—	0.23	0.23	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	0.34	3.56	5.20	0.01	0.09	—	0.09	0.08	—	0.08	—	753	753	0.03	0.01	—	756
Dust From Material Movemer	—	—	—	—	—	—	0.63	0.63	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.65	0.95	< 0.005	0.02	—	0.02	0.01	—	0.01	—	125	125	0.01	< 0.005	—	125

Dust From Material Movemer	—	—	—	—	—	—	0.12	0.12	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.03	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	217	217	< 0.005	< 0.005	0.21	218
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	0.03	1.93	0.89	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,707	1,707	0.08	0.28	1.26	1,793
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	2.03	0.89	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,708	1,708	0.08	0.28	0.03	1,793
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.17	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	60.5	60.5	< 0.005	< 0.005	0.03	60.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.60	0.27	< 0.005	0.01	0.59	0.60	0.01	0.15	0.16	—	508	508	0.03	0.08	0.16	533
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.0	10.0	< 0.005	< 0.005	< 0.005	10.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	84.1	84.1	< 0.005	0.01	0.03	88.3

3.10. 4-B (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.22	3.34	13.7	0.02	0.04	—	0.04	0.04	—	0.04	—	1,964	1,964	0.08	0.02	—	1,970
Dust From Material Movemer	—	—	—	—	—	—	0.83	0.83	—	0.09	0.09	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.99	4.08	0.01	0.01	—	0.01	0.01	—	0.01	—	584	584	0.02	< 0.005	—	586
Dust From Material Movemer	—	—	—	—	—	—	0.25	0.25	—	0.03	0.03	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.18	0.74	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	96.7	96.7	< 0.005	< 0.005	—	97.0
Dust From Material Movemer	—	—	—	—	—	—	0.05	0.05	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.03	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	217	217	< 0.005	< 0.005	0.21	218
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.12	0.03	1.93	0.89	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,707	1,707	0.08	0.28	1.26	1,793
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	2.03	0.89	0.01	0.03	2.03	2.06	0.03	0.52	0.55	—	1,708	1,708	0.08	0.28	0.03	1,793
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.17	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	60.5	60.5	< 0.005	< 0.005	0.03	60.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.60	0.27	< 0.005	0.01	0.59	0.60	0.01	0.15	0.16	—	508	508	0.03	0.08	0.16	533
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.0	10.0	< 0.005	< 0.005	< 0.005	10.1

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	84.1	84.1	< 0.005	0.01	0.03	88.3

3.11. 4-L (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.25	1.05	7.78	11.7	0.02	0.31	—	0.31	0.28	—	0.28	—	2,455	2,455	0.10	0.02	—	2,463
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.96	1.44	< 0.005	0.04	—	0.04	0.03	—	0.03	—	303	303	0.01	< 0.005	—	304
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.18	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	50.1	50.1	< 0.005	< 0.005	—	50.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.23	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	73.0	73.0	< 0.005	< 0.005	0.08	73.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.43	8.43	< 0.005	< 0.005	< 0.005	8.47
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	1.40	1.40	< 0.005	< 0.005	< 0.005	1.40
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. 4-L (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	1.20	14.2	0.02	0.05	—	0.05	0.05	—	0.05	—	2,455	2,455	0.10	0.02	—	2,463

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.15	1.76	< 0.005	0.01	—	0.01	0.01	—	0.01	—	303	303	0.01	< 0.005	—	304
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.03	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	50.1	50.1	< 0.005	< 0.005	—	50.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.23	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	73.0	73.0	< 0.005	< 0.005	0.08	73.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	8.43	8.43	< 0.005	< 0.005	< 0.005	8.47
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	1.40	1.40	< 0.005	< 0.005	< 0.005	1.40
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. 4-N (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.93	0.77	6.54	9.54	0.02	0.13	—	0.13	0.12	—	0.12	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.40	0.58	< 0.005	0.01	—	0.01	0.01	—	0.01	—	109	109	< 0.005	< 0.005	—	110
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.1	18.1	< 0.005	< 0.005	—	18.2

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	0.97	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	338	338	0.01	< 0.005	0.01	339
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.43	0.10	6.88	3.07	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,757	5,757	0.28	0.92	0.13	6,039
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	20.7	20.7	< 0.005	< 0.005	0.01	20.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.41	0.19	< 0.005	0.01	0.40	0.41	0.01	0.10	0.11	—	349	349	0.02	0.06	0.13	366
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.44	3.44	< 0.005	< 0.005	< 0.005	3.45
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.08	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	57.8	57.8	< 0.005	0.01	0.02	60.7

3.14. 4-N (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.21	0.19	1.25	5.70	0.01	0.05	—	0.05	0.05	—	0.05	—	1,064	1,064	0.04	0.01	—	1,068
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.35	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	64.6	64.6	< 0.005	< 0.005	—	64.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.7	10.7	< 0.005	< 0.005	—	10.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	0.97	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	338	338	0.01	< 0.005	0.01	339
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.43	0.10	6.88	3.07	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,757	5,757	0.28	0.92	0.13	6,039
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	20.7	20.7	< 0.005	< 0.005	0.01	20.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.41	0.19	< 0.005	0.01	0.40	0.41	0.01	0.10	0.11	—	349	349	0.02	0.06	0.13	366

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.44	3.44	< 0.005	< 0.005	< 0.005	3.45
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.08	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	57.8	57.8	< 0.005	0.01	0.02	60.7

3.15. 4-N (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	0.76	6.44	9.44	0.02	0.12	—	0.12	0.11	—	0.11	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	0.76	6.44	9.44	0.02	0.12	—	0.12	0.11	—	0.11	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	0.54	4.60	6.74	0.01	0.09	—	0.09	0.08	—	0.08	—	1,286	1,286	0.05	0.01	—	1,291

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.84	1.23	< 0.005	0.02	—	0.02	0.01	—	0.01	—	213	213	0.01	< 0.005	—	214
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.04	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	362	362	< 0.005	< 0.005	0.36	363
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.39	0.10	6.37	2.95	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,645	5,645	0.28	0.92	4.18	5,931
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.08	0.06	0.94	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	335	335	0.01	< 0.005	0.01	337
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.38	0.10	6.73	2.93	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,648	5,648	0.28	0.92	0.11	5,930
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.66	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	242	242	< 0.005	< 0.005	0.11	243
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.27	0.07	4.74	2.11	0.04	0.07	4.72	4.79	0.07	1.21	1.28	—	4,033	4,033	0.20	0.66	1.29	4,236
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	40.1	40.1	< 0.005	< 0.005	0.02	40.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.87	0.39	0.01	0.01	0.86	0.87	0.01	0.22	0.23	—	668	668	0.03	0.11	0.21	701

3.16. 4-N (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.19	1.25	5.70	0.01	0.05	—	0.05	0.05	—	0.05	—	1,064	1,064	0.04	0.01	—	1,068
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.19	1.25	5.70	0.01	0.05	—	0.05	0.05	—	0.05	—	1,064	1,064	0.04	0.01	—	1,068
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.89	4.07	0.01	0.03	—	0.03	0.03	—	0.03	—	760	760	0.03	0.01	—	763
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.16	0.74	< 0.005	0.01	—	0.01	0.01	—	0.01	—	126	126	0.01	< 0.005	—	126

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.04	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	362	362	< 0.005	< 0.005	0.36	363
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.39	0.10	6.37	2.95	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,645	5,645	0.28	0.92	4.18	5,931
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.08	0.06	0.94	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	335	335	0.01	< 0.005	0.01	337
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.38	0.10	6.73	2.93	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,648	5,648	0.28	0.92	0.11	5,930
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.66	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	242	242	< 0.005	< 0.005	0.11	243
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.27	0.07	4.74	2.11	0.04	0.07	4.72	4.79	0.07	1.21	1.28	—	4,033	4,033	0.20	0.66	1.29	4,236
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	40.1	40.1	< 0.005	< 0.005	0.02	40.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.05	0.01	0.87	0.39	0.01	0.01	0.86	0.87	0.01	0.22	0.23	—	668	668	0.03	0.11	0.21	701

3.17. 4-N (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	6.38	9.41	0.02	0.12	—	0.12	0.11	—	0.11	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	6.38	9.41	0.02	0.12	—	0.12	0.11	—	0.11	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.23	1.90	2.80	0.01	0.03	—	0.03	0.03	—	0.03	—	536	536	0.02	< 0.005	—	538
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.35	0.51	< 0.005	0.01	—	0.01	0.01	—	0.01	—	88.7	88.7	< 0.005	< 0.005	—	89.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.09	0.08	0.04	1.08	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	359	359	< 0.005	< 0.005	0.30	360
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.39	0.10	6.27	2.81	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,552	5,552	0.28	0.87	3.61	5,823
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.91	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	333	333	0.01	< 0.005	0.01	334
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.38	0.10	6.63	2.84	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,555	5,555	0.28	0.87	0.09	5,822
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.27	0.00	0.00	0.50	0.50	0.00	0.12	0.12	—	100	100	< 0.005	< 0.005	0.04	100
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	1.93	0.84	0.01	0.03	1.97	1.99	0.03	0.51	0.53	—	1,652	1,652	0.08	0.26	0.46	1,732
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.05	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	16.6	16.6	< 0.005	< 0.005	0.01	16.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	0.01	0.35	0.15	< 0.005	0.01	0.36	0.36	0.01	0.09	0.10	—	273	273	0.01	0.04	0.08	287

3.18. 4-N (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.19	1.25	5.70	0.01	0.05	—	0.05	0.05	—	0.05	—	1,064	1,064	0.04	0.01	—	1,068

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.19	1.25	5.70	0.01	0.05	—	0.05	0.05	—	0.05	—	1,064	1,064	0.04	0.01	—	1,068
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.37	1.70	< 0.005	0.01	—	0.01	0.01	—	0.01	—	317	317	0.01	< 0.005	—	318
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	52.4	52.4	< 0.005	< 0.005	—	52.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.04	1.08	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	359	359	< 0.005	< 0.005	0.30	360
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.39	0.10	6.27	2.81	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,552	5,552	0.28	0.87	3.61	5,823
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.09	0.08	0.06	0.91	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	333	333	0.01	< 0.005	0.01	334
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.38	0.10	6.63	2.84	0.05	0.09	6.73	6.82	0.09	1.73	1.82	—	5,555	5,555	0.28	0.87	0.09	5,822
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.27	0.00	0.00	0.50	0.50	0.00	0.12	0.12	—	100	100	< 0.005	< 0.005	0.04	100
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	1.93	0.84	0.01	0.03	1.97	1.99	0.03	0.51	0.53	—	1,652	1,652	0.08	0.26	0.46	1,732
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.05	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	16.6	16.6	< 0.005	< 0.005	0.01	16.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	0.01	0.35	0.15	< 0.005	0.01	0.36	0.36	0.01	0.09	0.10	—	273	273	0.01	0.04	0.08	287

3.19. 4-D-1-A (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	0.97	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	338	338	0.01	< 0.005	0.01	339
Vendor	0.04	0.01	0.57	0.30	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	485	485	0.02	0.07	0.01	507
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	61.8	61.8	< 0.005	< 0.005	0.03	62.1
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	87.6	87.6	< 0.005	0.01	0.03	91.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	10.2	10.2	< 0.005	< 0.005	0.01	10.3
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	14.5	14.5	< 0.005	< 0.005	< 0.005	15.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.20. 4-D-1-A (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	0.97	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	338	338	0.01	< 0.005	0.01	339
Vendor	0.04	0.01	0.57	0.30	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	485	485	0.02	0.07	0.01	507
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	61.8	61.8	< 0.005	< 0.005	0.03	62.1
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	87.6	87.6	< 0.005	0.01	0.03	91.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	10.2	10.2	< 0.005	< 0.005	0.01	10.3
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	14.5	14.5	< 0.005	< 0.005	< 0.005	15.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. 4-D-1-C (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.18	4.32	41.6	60.7	0.13	0.71	—	0.71	0.66	—	0.66	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.18	4.32	41.6	60.7	0.13	0.71	—	0.71	0.66	—	0.66	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.70	3.09	29.7	43.4	0.10	0.51	—	0.51	0.47	—	0.47	—	9,623	9,623	0.39	0.08	—	9,656
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.56	5.42	7.91	0.02	0.09	—	0.09	0.09	—	0.09	—	1,593	1,593	0.06	0.01	—	1,599
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.07	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	579	579	0.01	0.01	0.57	581
Vendor	0.06	0.02	0.97	0.45	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,086	1,086	0.04	0.16	0.74	1,135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.13	0.10	1.50	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	537	537	0.01	0.01	0.01	538
Vendor	0.06	0.02	1.03	0.45	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,087	1,087	0.04	0.16	0.02	1,135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.07	1.06	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	388	388	0.01	< 0.005	0.18	389
Vendor	0.04	0.01	0.72	0.32	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	776	776	0.03	0.11	0.23	811
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	64.2	64.2	< 0.005	< 0.005	0.03	64.4
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	129	129	< 0.005	0.02	0.04	134
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.22. 4-D-1-C (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.59	3.07	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,231	6,231	0.25	0.05	—	6,252
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.56	6.09	0.01	0.02	—	0.02	0.02	—	0.02	—	1,032	1,032	0.04	0.01	—	1,035
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.07	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	579	579	0.01	0.01	0.57	581
Vendor	0.06	0.02	0.97	0.45	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,086	1,086	0.04	0.16	0.74	1,135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.13	0.10	1.50	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	537	537	0.01	0.01	0.01	538
Vendor	0.06	0.02	1.03	0.45	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,087	1,087	0.04	0.16	0.02	1,135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.07	1.06	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	388	388	0.01	< 0.005	0.18	389
Vendor	0.04	0.01	0.72	0.32	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	776	776	0.03	0.11	0.23	811
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	64.2	64.2	< 0.005	< 0.005	0.03	64.4
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	129	129	< 0.005	0.02	0.04	134
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.23. 4-D-1-C (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.14	4.29	41.2	60.4	0.13	0.69	—	0.69	0.64	—	0.64	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	5.14	4.29	41.2	60.4	0.13	0.69	—	0.69	0.64	—	0.64	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.37	2.82	27.0	39.6	0.09	0.45	—	0.45	0.42	—	0.42	—	8,832	8,832	0.36	0.07	—	8,863
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	0.51	4.93	7.23	0.02	0.08	—	0.08	0.08	—	0.08	—	1,462	1,462	0.06	0.01	—	1,467
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.07	1.72	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	575	575	0.01	< 0.005	0.48	576
Vendor	0.06	0.02	0.95	0.43	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,056	1,056	0.04	0.16	0.61	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.10	1.46	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	533	533	0.01	0.01	0.01	534
Vendor	0.06	0.02	0.99	0.44	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,056	1,056	0.04	0.16	0.02	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.10	0.08	0.06	0.95	0.00	0.00	1.75	1.75	0.00	0.43	0.43	—	353	353	< 0.005	< 0.005	0.14	354
Vendor	0.04	0.01	0.64	0.28	0.01	0.01	0.98	0.99	0.01	0.25	0.26	—	692	692	0.03	0.10	0.17	724
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.17	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	58.4	58.4	< 0.005	< 0.005	0.02	58.7
Vendor	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.18	0.18	< 0.005	0.05	0.05	—	115	115	< 0.005	0.02	0.03	120
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.24. 4-D-1-C (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.54	0.54	2.82	30.6	0.05	0.11	—	0.11	0.11	—	0.11	—	5,719	5,719	0.23	0.05	—	5,738
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.10	0.51	5.59	0.01	0.02	—	0.02	0.02	—	0.02	—	947	947	0.04	0.01	—	950
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.07	1.72	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	575	575	0.01	< 0.005	0.48	576
Vendor	0.06	0.02	0.95	0.43	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,056	1,056	0.04	0.16	0.61	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.10	1.46	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	533	533	0.01	0.01	0.01	534
Vendor	0.06	0.02	0.99	0.44	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,056	1,056	0.04	0.16	0.02	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.08	0.06	0.95	0.00	0.00	1.75	1.75	0.00	0.43	0.43	—	353	353	< 0.005	< 0.005	0.14	354
Vendor	0.04	0.01	0.64	0.28	0.01	0.01	0.98	0.99	0.01	0.25	0.26	—	692	692	0.03	0.10	0.17	724
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.17	0.00	0.00	0.32	0.32	0.00	0.08	0.08	—	58.4	58.4	< 0.005	< 0.005	0.02	58.7
Vendor	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.18	0.18	< 0.005	0.05	0.05	—	115	115	< 0.005	0.02	0.03	120

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.25. 4-D-2-A (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.04	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	362	362	< 0.005	< 0.005	0.36	363
Vendor	0.04	0.01	0.53	0.28	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	470	470	0.02	0.07	0.31	491
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.10	0.08	0.06	0.94	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	335	335	0.01	< 0.005	0.01	337
Vendor	0.04	0.01	0.56	0.29	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	470	470	0.02	0.07	0.01	491
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.16	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	59.5	59.5	< 0.005	< 0.005	0.03	59.7
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	82.4	82.4	< 0.005	0.01	0.02	86.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.84	9.84	< 0.005	< 0.005	< 0.005	9.88
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	13.6	13.6	< 0.005	< 0.005	< 0.005	14.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.26. 4-D-2-A (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.04	1.11	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	362	362	< 0.005	< 0.005	0.36	363
Vendor	0.04	0.01	0.53	0.28	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	470	470	0.02	0.07	0.31	491
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.08	0.06	0.94	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	335	335	0.01	< 0.005	0.01	337
Vendor	0.04	0.01	0.56	0.29	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	470	470	0.02	0.07	0.01	491
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.16	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	59.5	59.5	< 0.005	< 0.005	0.03	59.7
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	82.4	82.4	< 0.005	0.01	0.02	86.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.84	9.84	< 0.005	< 0.005	< 0.005	9.88
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	13.6	13.6	< 0.005	< 0.005	< 0.005	14.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.27. 4-D-2-C (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.18	4.32	41.6	60.7	0.13	0.71	—	0.71	0.66	—	0.66	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.18	4.32	41.6	60.7	0.13	0.71	—	0.71	0.66	—	0.66	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.48	2.07	19.9	29.1	0.06	0.34	—	0.34	0.31	—	0.31	—	6,459	6,459	0.26	0.05	—	6,482
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	0.38	3.64	5.31	0.01	0.06	—	0.06	0.06	—	0.06	—	1,069	1,069	0.04	0.01	—	1,073
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.16	0.15	0.07	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	579	579	0.01	0.01	0.57	581
Vendor	0.06	0.02	0.97	0.45	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,086	1,086	0.04	0.16	0.74	1,135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.13	0.10	1.50	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	537	537	0.01	0.01	0.01	538
Vendor	0.06	0.02	1.03	0.45	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,087	1,087	0.04	0.16	0.02	1,135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.05	0.71	0.00	0.00	1.28	1.28	0.00	0.32	0.32	—	260	260	< 0.005	< 0.005	0.12	261
Vendor	0.03	0.01	0.49	0.22	0.01	0.01	0.72	0.72	0.01	0.18	0.19	—	521	521	0.02	0.08	0.15	544
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	43.1	43.1	< 0.005	< 0.005	0.02	43.2
Vendor	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	86.3	86.3	< 0.005	0.01	0.03	90.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.28. 4-D-2-C (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	2.06	22.4	0.04	0.08	—	0.08	0.08	—	0.08	—	4,182	4,182	0.17	0.03	—	4,197
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.38	4.09	0.01	0.01	—	0.01	0.01	—	0.01	—	692	692	0.03	0.01	—	695
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.07	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	579	579	0.01	0.01	0.57	581
Vendor	0.06	0.02	0.97	0.45	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,086	1,086	0.04	0.16	0.74	1,135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.16	0.13	0.10	1.50	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	537	537	0.01	0.01	0.01	538
Vendor	0.06	0.02	1.03	0.45	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,087	1,087	0.04	0.16	0.02	1,135
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.05	0.71	0.00	0.00	1.28	1.28	0.00	0.32	0.32	—	260	260	< 0.005	< 0.005	0.12	261
Vendor	0.03	0.01	0.49	0.22	0.01	0.01	0.72	0.72	0.01	0.18	0.19	—	521	521	0.02	0.08	0.15	544
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	43.1	43.1	< 0.005	< 0.005	0.02	43.2
Vendor	0.01	< 0.005	0.09	0.04	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.03	—	86.3	86.3	< 0.005	0.01	0.03	90.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.29. 4-D-2-C (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.14	4.29	41.2	60.4	0.13	0.69	—	0.69	0.64	—	0.64	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	5.14	4.29	41.2	60.4	0.13	0.69	—	0.69	0.64	—	0.64	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.67	3.07	29.4	43.2	0.10	0.49	—	0.49	0.45	—	0.45	—	9,623	9,623	0.39	0.08	—	9,656
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.56	5.37	7.88	0.02	0.09	—	0.09	0.08	—	0.08	—	1,593	1,593	0.06	0.01	—	1,599
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.07	1.72	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	575	575	0.01	< 0.005	0.48	576
Vendor	0.06	0.02	0.95	0.43	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,056	1,056	0.04	0.16	0.61	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.10	1.46	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	533	533	0.01	0.01	0.01	534
Vendor	0.06	0.02	0.99	0.44	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,056	1,056	0.04	0.16	0.02	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.07	1.03	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	385	385	0.01	< 0.005	0.15	386
Vendor	0.04	0.01	0.70	0.31	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	754	754	0.03	0.11	0.19	789
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	63.7	63.7	< 0.005	< 0.005	0.02	63.9
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	125	125	< 0.005	0.02	0.03	131
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.30. 4-D-2-C (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.59	3.07	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,231	6,231	0.25	0.05	—	6,252
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.56	6.09	0.01	0.02	—	0.02	0.02	—	0.02	—	1,032	1,032	0.04	0.01	—	1,035
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.07	1.72	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	575	575	0.01	< 0.005	0.48	576
Vendor	0.06	0.02	0.95	0.43	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,056	1,056	0.04	0.16	0.61	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.10	1.46	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	533	533	0.01	0.01	0.01	534
Vendor	0.06	0.02	0.99	0.44	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,056	1,056	0.04	0.16	0.02	1,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.07	1.03	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	385	385	0.01	< 0.005	0.15	386
Vendor	0.04	0.01	0.70	0.31	0.01	0.01	1.07	1.07	0.01	0.27	0.28	—	754	754	0.03	0.11	0.19	789
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	63.7	63.7	< 0.005	< 0.005	0.02	63.9
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.19	0.20	< 0.005	0.05	0.05	—	125	125	< 0.005	0.02	0.03	131
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.31. 4-D-2-C (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.10	4.26	40.6	60.0	0.13	0.67	—	0.67	0.61	—	0.61	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.10	4.26	40.6	60.0	0.13	0.67	—	0.67	0.61	—	0.61	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	7.23	10.7	0.02	0.12	—	0.12	0.11	—	0.11	—	2,399	2,399	0.10	0.02	—	2,407
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.32	1.95	< 0.005	0.02	—	0.02	0.02	—	0.02	—	397	397	0.02	< 0.005	—	399
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.12	0.07	1.67	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	571	571	0.01	< 0.005	0.41	572
Vendor	0.05	0.02	0.92	0.42	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,028	1,028	0.03	0.16	0.49	1,077
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.10	1.41	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	529	529	0.01	0.01	0.01	531
Vendor	0.05	0.02	0.97	0.42	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,029	1,029	0.03	0.16	0.01	1,077
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.01	0.25	0.00	0.00	0.48	0.48	0.00	0.12	0.12	—	95.3	95.3	< 0.005	< 0.005	0.03	95.6
Vendor	0.01	< 0.005	0.17	0.08	< 0.005	< 0.005	0.27	0.27	< 0.005	0.07	0.07	—	183	183	0.01	0.03	0.04	192
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	15.8	15.8	< 0.005	< 0.005	0.01	15.8
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	30.3	30.3	< 0.005	< 0.005	0.01	31.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.32. 4-D-2-C (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	0.77	8.32	0.01	0.03	—	0.03	0.03	—	0.03	—	1,553	1,553	0.06	0.01	—	1,559
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.14	1.52	< 0.005	0.01	—	0.01	0.01	—	0.01	—	257	257	0.01	< 0.005	—	258
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.12	0.07	1.67	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	571	571	0.01	< 0.005	0.41	572
Vendor	0.05	0.02	0.92	0.42	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,028	1,028	0.03	0.16	0.49	1,077
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.10	1.41	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	529	529	0.01	0.01	0.01	531
Vendor	0.05	0.02	0.97	0.42	0.01	0.01	1.52	1.53	0.01	0.39	0.40	—	1,029	1,029	0.03	0.16	0.01	1,077
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.01	0.25	0.00	0.00	0.48	0.48	0.00	0.12	0.12	—	95.3	95.3	< 0.005	< 0.005	0.03	95.6
Vendor	0.01	< 0.005	0.17	0.08	< 0.005	< 0.005	0.27	0.27	< 0.005	0.07	0.07	—	183	183	0.01	0.03	0.04	192
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	15.8	15.8	< 0.005	< 0.005	0.01	15.8
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	30.3	30.3	< 0.005	< 0.005	0.01	31.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.33. 4-Q (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	1.67	0.78	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,472	1,472	0.07	0.24	1.24	1,545
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.02	1.76	0.78	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,473	1,473	0.07	0.24	0.03	1,545
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.04	0.47	0.01	0.01	1.01	1.03	0.01	0.26	0.27	—	882	882	0.04	0.14	0.32	925
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.19	0.09	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.05	—	146	146	0.01	0.02	0.05	153

3.34. 4-Q (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	1.67	0.78	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,472	1,472	0.07	0.24	1.24	1,545

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.02	1.76	0.78	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,473	1,473	0.07	0.24	0.03	1,545
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.04	0.47	0.01	0.01	1.01	1.03	0.01	0.26	0.27	—	882	882	0.04	0.14	0.32	925
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.19	0.09	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.05	—	146	146	0.01	0.02	0.05	153

3.35. 4-Q (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.03	1.63	0.75	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,444	1,444	0.07	0.24	1.07	1,517
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.72	0.75	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,445	1,445	0.07	0.24	0.03	1,517
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.21	0.54	0.01	0.02	1.21	1.23	0.02	0.31	0.33	—	1,032	1,032	0.05	0.17	0.33	1,084
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.22	0.10	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	171	171	0.01	0.03	0.05	179

3.36. 4-Q (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.03	1.63	0.75	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,444	1,444	0.07	0.24	1.07	1,517
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.72	0.75	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,445	1,445	0.07	0.24	0.03	1,517
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.21	0.54	0.01	0.02	1.21	1.23	0.02	0.31	0.33	—	1,032	1,032	0.05	0.17	0.33	1,084
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.22	0.10	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	171	171	0.01	0.03	0.05	179

3.37. 4-Q (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.03	1.60	0.72	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,420	1,420	0.07	0.22	0.92	1,490
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.70	0.73	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,421	1,421	0.07	0.22	0.02	1,489
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.19	0.52	0.01	0.02	1.21	1.23	0.02	0.31	0.33	—	1,015	1,015	0.05	0.16	0.28	1,064
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.22	0.09	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	168	168	0.01	0.03	0.05	176

3.38. 4-Q (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.03	1.60	0.72	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,420	1,420	0.07	0.22	0.92	1,490
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.02	1.70	0.73	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,421	1,421	0.07	0.22	0.02	1,489
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.02	1.19	0.52	0.01	0.02	1.21	1.23	0.02	0.31	0.33	—	1,015	1,015	0.05	0.16	0.28	1,064
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.22	0.09	< 0.005	< 0.005	0.22	0.22	< 0.005	0.06	0.06	—	168	168	0.01	0.03	0.05	176

3.39. 4-Q (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.03	1.58	0.70	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,399	1,399	0.06	0.22	0.79	1,468
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.08	0.02	1.67	0.70	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,400	1,400	0.06	0.22	0.02	1,468
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	0.02	1.07	0.46	0.01	0.02	1.11	1.12	0.02	0.29	0.30	—	917	917	0.04	0.15	0.22	962
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.20	0.08	< 0.005	< 0.005	0.20	0.21	< 0.005	0.05	0.05	—	152	152	0.01	0.02	0.04	159

3.40. 4-Q (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.03	1.58	0.70	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,399	1,399	0.06	0.22	0.79	1,468
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.08	0.02	1.67	0.70	0.01	0.02	1.72	1.75	0.02	0.44	0.47	—	1,400	1,400	0.06	0.22	0.02	1,468
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.06	0.02	1.07	0.46	0.01	0.02	1.11	1.12	0.02	0.29	0.30	—	917	917	0.04	0.15	0.22	962
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.20	0.08	< 0.005	< 0.005	0.20	0.21	< 0.005	0.05	0.05	—	152	152	0.01	0.02	0.04	159

3.41. 4-F-1-A (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.04	0.89	0.00	0.00	1.36	1.36	0.00	0.34	0.34	—	290	290	< 0.005	< 0.005	0.29	291
Vendor	0.04	0.01	0.53	0.28	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	470	470	0.02	0.07	0.31	491
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.75	0.00	0.00	1.36	1.36	0.00	0.34	0.34	—	268	268	< 0.005	< 0.005	0.01	269
Vendor	0.04	0.01	0.56	0.29	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	470	470	0.02	0.07	0.01	491
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	47.6	47.6	< 0.005	< 0.005	0.02	47.7
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	82.4	82.4	< 0.005	0.01	0.02	86.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	7.88	7.88	< 0.005	< 0.005	< 0.005	7.90
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	13.6	13.6	< 0.005	< 0.005	< 0.005	14.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.42. 4-F-1-A (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.04	0.89	0.00	0.00	1.36	1.36	0.00	0.34	0.34	—	290	290	< 0.005	< 0.005	0.29	291
Vendor	0.04	0.01	0.53	0.28	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	470	470	0.02	0.07	0.31	491
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.75	0.00	0.00	1.36	1.36	0.00	0.34	0.34	—	268	268	< 0.005	< 0.005	0.01	269
Vendor	0.04	0.01	0.56	0.29	< 0.005	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	470	470	0.02	0.07	0.01	491
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	47.6	47.6	< 0.005	< 0.005	0.02	47.7
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	82.4	82.4	< 0.005	0.01	0.02	86.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	7.88	7.88	< 0.005	< 0.005	< 0.005	7.90
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	13.6	13.6	< 0.005	< 0.005	< 0.005	14.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.43. 4-F-1-C (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.18	4.32	41.6	60.7	0.13	0.71	—	0.71	0.66	—	0.66	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	5.18	4.32	41.6	60.7	0.13	0.71	—	0.71	0.66	—	0.66	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.48	2.07	19.9	29.1	0.06	0.34	—	0.34	0.31	—	0.31	—	6,459	6,459	0.26	0.05	—	6,482
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	0.38	3.64	5.31	0.01	0.06	—	0.06	0.06	—	0.06	—	1,069	1,069	0.04	0.01	—	1,073
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.07	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	579	579	0.01	0.01	0.57	581
Vendor	0.03	0.01	0.42	0.23	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	376	376	0.02	0.05	0.25	393
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.13	0.10	1.50	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	537	537	0.01	0.01	0.01	538
Vendor	0.03	0.01	0.45	0.23	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	376	376	0.02	0.05	0.01	393
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.07	0.06	0.05	0.71	0.00	0.00	1.28	1.28	0.00	0.32	0.32	—	260	260	< 0.005	< 0.005	0.12	261
Vendor	0.01	0.01	0.21	0.11	< 0.005	< 0.005	0.24	0.24	< 0.005	0.06	0.06	—	180	180	0.01	0.03	0.05	188
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	43.1	43.1	< 0.005	< 0.005	0.02	43.2
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	29.8	29.8	< 0.005	< 0.005	0.01	31.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.44. 4-F-1-C (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.40	0.40	2.06	22.4	0.04	0.08	—	0.08	0.08	—	0.08	—	4,182	4,182	0.17	0.03	—	4,197
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.38	4.09	0.01	0.01	—	0.01	0.01	—	0.01	—	692	692	0.03	0.01	—	695
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.07	1.77	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	579	579	0.01	0.01	0.57	581
Vendor	0.03	0.01	0.42	0.23	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	376	376	0.02	0.05	0.25	393
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.13	0.10	1.50	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	537	537	0.01	0.01	0.01	538
Vendor	0.03	0.01	0.45	0.23	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	376	376	0.02	0.05	0.01	393
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.05	0.71	0.00	0.00	1.28	1.28	0.00	0.32	0.32	—	260	260	< 0.005	< 0.005	0.12	261
Vendor	0.01	0.01	0.21	0.11	< 0.005	< 0.005	0.24	0.24	< 0.005	0.06	0.06	—	180	180	0.01	0.03	0.05	188
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.23	0.23	0.00	0.06	0.06	—	43.1	43.1	< 0.005	< 0.005	0.02	43.2
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	29.8	29.8	< 0.005	< 0.005	0.01	31.2

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.45. 4-F-1-C (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.14	4.29	41.2	60.4	0.13	0.69	—	0.69	0.64	—	0.64	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.14	4.29	41.2	60.4	0.13	0.69	—	0.69	0.64	—	0.64	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.67	3.07	29.4	43.2	0.10	0.49	—	0.49	0.45	—	0.45	—	9,623	9,623	0.39	0.08	—	9,656
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.67	0.56	5.37	7.88	0.02	0.09	—	0.09	0.08	—	0.08	—	1,593	1,593	0.06	0.01	—	1,599
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.07	1.72	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	575	575	0.01	< 0.005	0.48	576
Vendor	0.03	0.01	0.41	0.22	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	365	365	0.02	0.05	0.20	382
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.10	1.46	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	533	533	0.01	0.01	0.01	534
Vendor	0.03	0.01	0.43	0.23	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	366	366	0.02	0.05	0.01	383
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.07	1.03	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	385	385	0.01	< 0.005	0.15	386
Vendor	0.02	0.01	0.30	0.16	< 0.005	< 0.005	0.36	0.36	< 0.005	0.09	0.09	—	261	261	0.01	0.04	0.06	273
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	63.7	63.7	< 0.005	< 0.005	0.02	63.9
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	43.2	43.2	< 0.005	0.01	0.01	45.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.46. 4-F-1-C (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.59	3.07	33.4	0.06	0.12	—	0.12	0.12	—	0.12	—	6,231	6,231	0.25	0.05	—	6,252
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.56	6.09	0.01	0.02	—	0.02	0.02	—	0.02	—	1,032	1,032	0.04	0.01	—	1,035
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.07	1.72	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	575	575	0.01	< 0.005	0.48	576
Vendor	0.03	0.01	0.41	0.22	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	365	365	0.02	0.05	0.20	382
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.10	1.46	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	533	533	0.01	0.01	0.01	534
Vendor	0.03	0.01	0.43	0.23	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	366	366	0.02	0.05	0.01	383
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.07	1.03	0.00	0.00	1.91	1.91	0.00	0.47	0.47	—	385	385	0.01	< 0.005	0.15	386
Vendor	0.02	0.01	0.30	0.16	< 0.005	< 0.005	0.36	0.36	< 0.005	0.09	0.09	—	261	261	0.01	0.04	0.06	273
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.19	0.00	0.00	0.35	0.35	0.00	0.09	0.09	—	63.7	63.7	< 0.005	< 0.005	0.02	63.9
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	43.2	43.2	< 0.005	0.01	0.01	45.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.47. 4-F-1-C (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	5.10	4.26	40.6	60.0	0.13	0.67	—	0.67	0.61	—	0.61	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.10	4.26	40.6	60.0	0.13	0.67	—	0.67	0.61	—	0.61	—	13,473	13,473	0.55	0.11	—	13,519
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.52	1.27	12.1	17.8	0.04	0.20	—	0.20	0.18	—	0.18	—	4,007	4,007	0.16	0.03	—	4,021
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.23	2.20	3.26	0.01	0.04	—	0.04	0.03	—	0.03	—	663	663	0.03	0.01	—	666
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.12	0.07	1.67	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	571	571	0.01	< 0.005	0.41	572
Vendor	0.02	0.01	0.40	0.22	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	356	356	0.01	0.05	0.17	373
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.10	1.41	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	529	529	0.01	0.01	0.01	531
Vendor	0.02	0.01	0.42	0.22	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	357	357	0.01	0.05	< 0.005	373
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.42	0.00	0.00	0.79	0.79	0.00	0.20	0.20	—	159	159	< 0.005	< 0.005	0.05	160
Vendor	0.01	< 0.005	0.12	0.07	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.04	—	106	106	< 0.005	0.02	0.02	111
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.08	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	26.3	26.3	< 0.005	< 0.005	0.01	26.4
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	17.6	17.6	< 0.005	< 0.005	< 0.005	18.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.48. 4-F-1-C (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.83	0.83	4.30	46.7	0.08	0.17	—	0.17	0.17	—	0.17	—	8,723	8,723	0.35	0.07	—	8,753
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.25	1.28	13.9	0.02	0.05	—	0.05	0.05	—	0.05	—	2,595	2,595	0.11	0.02	—	2,604
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.23	2.53	< 0.005	0.01	—	0.01	0.01	—	0.01	—	430	430	0.02	< 0.005	—	431
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.12	0.07	1.67	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	571	571	0.01	< 0.005	0.41	572
Vendor	0.02	0.01	0.40	0.22	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	356	356	0.01	0.05	0.17	373
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.10	1.41	0.00	0.00	2.72	2.72	0.00	0.67	0.67	—	529	529	0.01	0.01	0.01	531
Vendor	0.02	0.01	0.42	0.22	< 0.005	< 0.005	0.51	0.51	< 0.005	0.13	0.14	—	357	357	0.01	0.05	< 0.005	373
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.04	0.04	0.02	0.42	0.00	0.00	0.79	0.79	0.00	0.20	0.20	—	159	159	< 0.005	< 0.005	0.05	160
Vendor	0.01	< 0.005	0.12	0.07	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.04	—	106	106	< 0.005	0.02	0.02	111
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.08	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	26.3	26.3	< 0.005	< 0.005	0.01	26.4
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	17.6	17.6	< 0.005	< 0.005	< 0.005	18.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.49. 4-P (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.34	3.47	6.41	0.01	0.07	—	0.07	0.07	—	0.07	—	991	991	0.04	0.01	—	994
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.34	3.47	6.41	0.01	0.07	—	0.07	0.07	—	0.07	—	991	991	0.04	0.01	—	994
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.83	1.53	< 0.005	0.02	—	0.02	0.02	—	0.02	—	236	236	0.01	< 0.005	—	237
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.15	0.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	39.1	39.1	< 0.005	< 0.005	—	39.2
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.43	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	144	144	< 0.005	< 0.005	0.12	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.37	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	133	133	< 0.005	< 0.005	< 0.005	134
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	32.1	32.1	< 0.005	< 0.005	0.01	32.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	5.31	5.31	< 0.005	< 0.005	< 0.005	5.33
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.50. 4-P (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.14	1.30	6.89	0.01	0.03	—	0.03	0.03	—	0.03	—	991	991	0.04	0.01	—	994
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.14	1.30	6.89	0.01	0.03	—	0.03	0.03	—	0.03	—	991	991	0.04	0.01	—	994
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.03	0.03	0.31	1.64	< 0.005	0.01	—	0.01	0.01	—	0.01	—	236	236	0.01	< 0.005	—	237
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	39.1	39.1	< 0.005	< 0.005	—	39.2
Paving	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.43	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	144	144	< 0.005	< 0.005	0.12	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.37	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	133	133	< 0.005	< 0.005	< 0.005	134
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	32.1	32.1	< 0.005	< 0.005	0.01	32.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	5.31	5.31	< 0.005	< 0.005	< 0.005	5.33
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.51. 4-O (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.75	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	58.8	58.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.75	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	58.8	58.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.18	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.8	31.8	< 0.005	< 0.005	—	31.9
Architectural Coatings	14.0	14.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.27	5.27	< 0.005	< 0.005	—	5.29
Architectural Coatings	2.56	2.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.28	0.00	0.00	0.44	0.44	0.00	0.11	0.11	—	93.4	93.4	< 0.005	< 0.005	0.08	93.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.44	0.44	0.00	0.11	0.11	—	86.5	86.5	< 0.005	< 0.005	< 0.005	86.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.06	0.00	0.00	0.10	0.10	0.00	0.03	0.03	—	20.9	20.9	< 0.005	< 0.005	0.01	20.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.45	3.45	< 0.005	< 0.005	< 0.005	3.47
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.52. 4-O (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	28.0	28.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	28.0	28.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	6.67	6.67	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	1.22	1.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.28	0.00	0.00	0.44	0.44	0.00	0.11	0.11	—	93.4	93.4	< 0.005	< 0.005	0.08	93.7

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.24	0.00	0.00	0.44	0.44	0.00	0.11	0.11	—	86.5	86.5	< 0.005	< 0.005	< 0.005	86.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.06	0.00	0.00	0.10	0.10	0.00	0.03	0.03	—	20.9	20.9	< 0.005	< 0.005	0.01	20.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.45	3.45	< 0.005	< 0.005	< 0.005	3.47
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.53. 4-E-1 (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.95	16.4	18.6	0.03	0.08	—	0.08	0.07	—	0.07	—	3,323	3,323	0.13	0.03	—	3,335

Architect Coatings	16.5	16.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.99	1.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	202	202	0.01	< 0.005	—	202
Architectural Coatings	1.00	1.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.18	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	33.4	33.4	< 0.005	< 0.005	—	33.5
Architectural Coatings	0.18	0.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.91	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	333	333	0.01	< 0.005	0.01	334
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.05	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	20.4	20.4	< 0.005	< 0.005	0.01	20.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.38	3.38	< 0.005	< 0.005	< 0.005	3.39
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.54. 4-E-1 (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	7.30	7.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.44	0.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.08	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.91	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	333	333	0.01	< 0.005	0.01	334
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.05	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	20.4	20.4	< 0.005	< 0.005	0.01	20.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	3.38	3.38	< 0.005	< 0.005	< 0.005	3.39
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.55. 4-E-1 (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.95	16.4	18.6	0.03	0.08	—	0.08	0.07	—	0.07	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	16.5	16.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.95	16.4	18.6	0.03	0.08	—	0.08	0.07	—	0.07	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	16.5	16.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	0.34	5.83	6.62	0.01	0.03	—	0.03	0.03	—	0.03	—	1,184	1,184	0.05	0.01	—	1,188
Architectural Coatings	5.88	5.88	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	1.06	1.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	196	196	0.01	< 0.005	—	197
Architectural Coatings	1.07	1.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.04	1.05	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	357	357	< 0.005	< 0.005	0.25	358
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.88	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	331	331	< 0.005	< 0.005	0.01	332
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.31	0.00	0.00	0.59	0.59	0.00	0.15	0.15	—	119	119	< 0.005	< 0.005	0.04	119
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.06	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	19.7	19.7	< 0.005	< 0.005	0.01	19.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.56. 4-E-1 (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	7.30	7.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	7.30	7.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	2.60	2.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.47	0.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.04	1.05	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	357	357	< 0.005	< 0.005	0.25	358

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.88	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	331	331	< 0.005	< 0.005	0.01	332
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.31	0.00	0.00	0.59	0.59	0.00	0.15	0.15	—	119	119	< 0.005	< 0.005	0.04	119
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.06	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	19.7	19.7	< 0.005	< 0.005	0.01	19.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.57. 4-E-2 (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.95	16.4	18.6	0.03	0.08	—	0.08	0.07	—	0.07	—	3,323	3,323	0.13	0.03	—	3,335

Architectural Coatings	16.5	16.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.95	16.4	18.6	0.03	0.08	—	0.08	0.07	—	0.07	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	16.5	16.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	0.40	6.87	7.80	0.01	0.03	—	0.03	0.03	—	0.03	—	1,393	1,393	0.06	0.01	—	1,398
Architectural Coatings	6.92	6.92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	1.25	1.42	< 0.005	0.01	—	0.01	0.01	—	0.01	—	231	231	0.01	< 0.005	—	231

Architectural Coating	1.26	1.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.04	1.05	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	357	357	< 0.005	< 0.005	0.25	358
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.88	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	331	331	< 0.005	< 0.005	0.01	332
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.37	0.00	0.00	0.70	0.70	0.00	0.17	0.17	—	140	140	< 0.005	< 0.005	0.05	141
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	23.2	23.2	< 0.005	< 0.005	0.01	23.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.58. 4-E-2 (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	7.30	7.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	7.30	7.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	3.06	3.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.56	0.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.04	1.05	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	357	357	< 0.005	< 0.005	0.25	358
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.88	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	331	331	< 0.005	< 0.005	0.01	332
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.37	0.00	0.00	0.70	0.70	0.00	0.17	0.17	—	140	140	< 0.005	< 0.005	0.05	141
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	23.2	23.2	< 0.005	< 0.005	0.01	23.3

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.59. 4-G (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.95	16.4	18.6	0.03	0.08	—	0.08	0.07	—	0.07	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.17	2.95	3.35	0.01	0.01	—	0.01	0.01	—	0.01	—	598	598	0.02	< 0.005	—	600
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.54	0.61	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	99.1	99.1	< 0.005	< 0.005	—	99.4
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.91	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	333	333	0.01	< 0.005	0.01	334
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.16	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	60.6	60.6	< 0.005	< 0.005	0.02	60.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.0	10.0	< 0.005	< 0.005	< 0.005	10.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.60. 4-G (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Architectural	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.91	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	333	333	0.01	< 0.005	0.01	334
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.16	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	60.6	60.6	< 0.005	< 0.005	0.02	60.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	10.0	10.0	< 0.005	< 0.005	< 0.005	10.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.61. 4-G (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.14	0.95	16.4	18.6	0.03	0.08	—	0.08	0.07	—	0.07	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	0.95	16.4	18.6	0.03	0.08	—	0.08	0.07	—	0.07	—	3,323	3,323	0.13	0.03	—	3,335
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	0.28	4.87	5.53	0.01	0.02	—	0.02	0.02	—	0.02	—	989	989	0.04	0.01	—	992
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.89	1.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	164	164	0.01	< 0.005	—	164

Architect Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.04	1.05	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	357	357	< 0.005	< 0.005	0.25	358
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.88	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	331	331	< 0.005	< 0.005	0.01	332
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.01	0.26	0.00	0.00	0.50	0.50	0.00	0.12	0.12	—	99.4	99.4	< 0.005	< 0.005	0.03	99.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	16.5	16.5	< 0.005	< 0.005	0.01	16.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.62. 4-G (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.04	1.05	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	357	357	< 0.005	< 0.005	0.25	358
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.88	0.00	0.00	1.70	1.70	0.00	0.42	0.42	—	331	331	< 0.005	< 0.005	0.01	332
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.01	0.26	0.00	0.00	0.50	0.50	0.00	0.12	0.12	—	99.4	99.4	< 0.005	< 0.005	0.03	99.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	16.5	16.5	< 0.005	< 0.005	0.01	16.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.63. 4-D-1-B (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.81	2.33	20.0	20.0	0.04	0.63	—	0.63	0.58	—	0.58	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.42	3.62	3.62	0.01	0.11	—	0.11	0.10	—	0.10	—	627	627	0.03	0.01	—	629
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.66	0.66	< 0.005	0.02	—	0.02	0.02	—	0.02	—	104	104	< 0.005	< 0.005	—	104
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.39	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	135	135	< 0.005	< 0.005	< 0.005	136
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	24.7	24.7	< 0.005	< 0.005	0.01	24.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.10	4.10	< 0.005	< 0.005	< 0.005	4.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.64. 4-D-1-B (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.38	2.00	17.1	20.4	0.04	0.59	—	0.59	0.54	—	0.54	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	0.36	3.10	3.70	0.01	0.11	—	0.11	0.10	—	0.10	—	627	627	0.03	0.01	—	629
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.57	0.67	< 0.005	0.02	—	0.02	0.02	—	0.02	—	104	104	< 0.005	< 0.005	—	104
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.39	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	135	135	< 0.005	< 0.005	< 0.005	136
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.07	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	24.7	24.7	< 0.005	< 0.005	0.01	24.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	4.10	4.10	< 0.005	< 0.005	< 0.005	4.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.65. 4-D-2-B (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.81	2.33	20.0	20.0	0.04	0.62	—	0.62	0.57	—	0.57	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.81	2.33	20.0	20.0	0.04	0.62	—	0.62	0.57	—	0.57	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	0.41	3.50	3.51	0.01	0.11	—	0.11	0.10	—	0.10	—	608	608	0.02	< 0.005	—	610
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.64	0.64	< 0.005	0.02	—	0.02	0.02	—	0.02	—	101	101	< 0.005	< 0.005	—	101

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.44	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	145	145	< 0.005	< 0.005	0.14	145
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.37	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	134	134	< 0.005	< 0.005	< 0.005	135
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	23.8	23.8	< 0.005	< 0.005	0.01	23.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	3.94	3.94	< 0.005	< 0.005	< 0.005	3.95
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.66. 4-D-2-B (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.38	2.00	17.1	20.4	0.04	0.59	—	0.59	0.54	—	0.54	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.38	2.00	17.1	20.4	0.04	0.59	—	0.59	0.54	—	0.54	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.35	3.00	3.58	0.01	0.10	—	0.10	0.09	—	0.09	—	608	608	0.02	< 0.005	—	610
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.55	0.65	< 0.005	0.02	—	0.02	0.02	—	0.02	—	101	101	< 0.005	< 0.005	—	101
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.04	0.04	0.02	0.44	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	145	145	< 0.005	< 0.005	0.14	145
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.37	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	134	134	< 0.005	< 0.005	< 0.005	135
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	23.8	23.8	< 0.005	< 0.005	0.01	23.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	3.94	3.94	< 0.005	< 0.005	< 0.005	3.95
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.67. 4-F-1-B (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.81	2.33	20.0	20.0	0.04	0.62	—	0.62	0.57	—	0.57	—	3,469	3,469	0.14	0.03	—	3,481

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.81	2.33	20.0	20.0	0.04	0.62	—	0.62	0.57	—	0.57	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	0.41	3.50	3.51	0.01	0.11	—	0.11	0.10	—	0.10	—	608	608	0.02	< 0.005	—	610
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.64	0.64	< 0.005	0.02	—	0.02	0.02	—	0.02	—	101	101	< 0.005	< 0.005	—	101
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.44	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	145	145	< 0.005	< 0.005	0.14	145
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.04	0.03	0.02	0.37	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	134	134	< 0.005	< 0.005	< 0.005	135
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	23.8	23.8	< 0.005	< 0.005	0.01	23.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	3.94	3.94	< 0.005	< 0.005	< 0.005	3.95
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.68. 4-F-1-B (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.38	2.00	17.1	20.4	0.04	0.59	—	0.59	0.54	—	0.54	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.38	2.00	17.1	20.4	0.04	0.59	—	0.59	0.54	—	0.54	—	3,469	3,469	0.14	0.03	—	3,481
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.35	3.00	3.58	0.01	0.10	—	0.10	0.09	—	0.09	—	608	608	0.02	< 0.005	—	610
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.55	0.65	< 0.005	0.02	—	0.02	0.02	—	0.02	—	101	101	< 0.005	< 0.005	—	101
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.44	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	145	145	< 0.005	< 0.005	0.14	145
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.37	0.00	0.00	0.68	0.68	0.00	0.17	0.17	—	134	134	< 0.005	< 0.005	< 0.005	135
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	23.8	23.8	< 0.005	< 0.005	0.01	23.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	3.94	3.94	< 0.005	< 0.005	< 0.005	3.95
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.69. 4-H (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.83	1.54	13.8	26.8	0.04	0.47	—	0.47	0.43	—	0.43	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.83	1.54	13.8	26.8	0.04	0.47	—	0.47	0.43	—	0.43	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	0.28	2.50	4.85	0.01	0.09	—	0.09	0.08	—	0.08	—	744	744	0.03	0.01	—	746
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.46	0.88	< 0.005	0.02	—	0.02	0.01	—	0.01	—	123	123	< 0.005	< 0.005	—	124
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.03	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	217	217	< 0.005	< 0.005	0.21	218
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	36.8	36.8	< 0.005	< 0.005	0.02	36.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.09	6.09	< 0.005	< 0.005	< 0.005	6.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.70. 4-H (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.58	5.20	0.01	0.01	—	0.01	0.01	—	0.01	—	744	744	0.03	0.01	—	746
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.95	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	123	123	< 0.005	< 0.005	—	124
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.03	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	217	217	< 0.005	< 0.005	0.21	218
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	36.8	36.8	< 0.005	< 0.005	0.02	36.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	6.09	6.09	< 0.005	< 0.005	< 0.005	6.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.71. 4-I (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.83	1.54	13.8	26.8	0.04	0.47	—	0.47	0.43	—	0.43	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.83	1.54	13.8	26.8	0.04	0.47	—	0.47	0.43	—	0.43	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	0.56	5.01	9.69	0.01	0.17	—	0.17	0.16	—	0.16	—	1,487	1,487	0.06	0.01	—	1,492

Dust From Material Movemer	—	—	—	—	—	—	1.15	1.15	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.91	1.77	< 0.005	0.03	—	0.03	0.03	—	0.03	—	246	246	0.01	< 0.005	—	247
Dust From Material Movemer	—	—	—	—	—	—	0.21	0.21	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.03	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	217	217	< 0.005	< 0.005	0.21	218
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	18.8	18.8	< 0.005	< 0.005	0.01	19.6
Hauling	0.02	< 0.005	0.28	0.13	< 0.005	< 0.005	0.30	0.30	< 0.005	0.08	0.08	—	249	249	0.01	0.04	0.18	261
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	18.8	18.8	< 0.005	< 0.005	< 0.005	19.7
Hauling	0.02	< 0.005	0.30	0.13	< 0.005	< 0.005	0.30	0.30	< 0.005	0.08	0.08	—	249	249	0.01	0.04	< 0.005	261
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.20	0.00	0.00	0.36	0.36	0.00	0.09	0.09	—	73.6	73.6	< 0.005	< 0.005	0.03	73.9
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	6.80	6.80	< 0.005	< 0.005	< 0.005	7.10

Hauling	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	89.9	89.9	< 0.005	0.01	0.03	94.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	12.2	12.2	< 0.005	< 0.005	0.01	12.2
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.13	1.13	< 0.005	< 0.005	< 0.005	1.18
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	14.9	14.9	< 0.005	< 0.005	< 0.005	15.6

3.72. 4-I (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Dust From Material Movemer	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	1.16	10.4	0.01	0.03	—	0.03	0.03	—	0.03	—	1,487	1,487	0.06	0.01	—	1,492
Dust From Material Movemer	—	—	—	—	—	—	0.45	0.45	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.21	1.90	< 0.005	0.01	—	0.01	0.01	—	0.01	—	246	246	0.01	< 0.005	—	247
Dust From Material Movemer	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.03	0.66	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	217	217	< 0.005	< 0.005	0.21	218
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	18.8	18.8	< 0.005	< 0.005	0.01	19.6
Hauling	0.02	< 0.005	0.28	0.13	< 0.005	< 0.005	0.30	0.30	< 0.005	0.08	0.08	—	249	249	0.01	0.04	0.18	261
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202

Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	18.8	18.8	< 0.005	< 0.005	< 0.005	19.7
Hauling	0.02	< 0.005	0.30	0.13	< 0.005	< 0.005	0.30	0.30	< 0.005	0.08	0.08	—	249	249	0.01	0.04	< 0.005	261
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.20	0.00	0.00	0.36	0.36	0.00	0.09	0.09	—	73.6	73.6	< 0.005	< 0.005	0.03	73.9
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	6.80	6.80	< 0.005	< 0.005	< 0.005	7.10
Hauling	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	89.9	89.9	< 0.005	0.01	0.03	94.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	12.2	12.2	< 0.005	< 0.005	0.01	12.2
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.13	1.13	< 0.005	< 0.005	< 0.005	1.18
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	14.9	14.9	< 0.005	< 0.005	< 0.005	15.6

3.73. 4-J (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.83	1.54	13.8	26.8	0.04	0.47	—	0.47	0.43	—	0.43	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.11	0.09	0.84	1.63	< 0.005	0.03	—	0.03	0.03	—	0.03	—	249	249	0.01	< 0.005	—	250
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	0.30	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	41.3	41.3	< 0.005	< 0.005	—	41.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	12.3	12.3	< 0.005	< 0.005	0.01	12.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.04	2.04	< 0.005	< 0.005	< 0.005	2.05
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.74. 4-J (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.19	1.74	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	249	249	0.01	< 0.005	—	250
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.32	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.3	41.3	< 0.005	< 0.005	—	41.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.56	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	201	201	< 0.005	< 0.005	0.01	202
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	12.3	12.3	< 0.005	< 0.005	0.01	12.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	2.04	2.04	< 0.005	< 0.005	< 0.005	2.05
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.75. 4-J (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.78	1.50	13.4	26.8	0.04	0.43	—	0.43	0.40	—	0.40	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.78	1.50	13.4	26.8	0.04	0.43	—	0.43	0.40	—	0.40	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	0.45	3.99	7.96	0.01	0.13	—	0.13	0.12	—	0.12	—	1,223	1,223	0.05	0.01	—	1,227
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.73	1.45	< 0.005	0.02	—	0.02	0.02	—	0.02	—	203	203	0.01	< 0.005	—	203
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.03	0.65	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	216	216	< 0.005	< 0.005	0.18	216
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.55	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	200	200	< 0.005	< 0.005	< 0.005	200
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02	0.01	0.01	0.16	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	60.1	60.1	< 0.005	< 0.005	0.02	60.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.94	9.94	< 0.005	< 0.005	< 0.005	9.98
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.76. 4-J (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	3.21	28.7	0.04	0.08	—	0.08	0.08	—	0.08	—	4,113	4,113	0.17	0.03	—	4,127
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.12	0.12	0.95	8.55	0.01	0.02	—	0.02	0.02	—	0.02	—	1,223	1,223	0.05	0.01	—	1,227
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.17	1.56	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	203	203	0.01	< 0.005	—	203
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.03	0.65	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	216	216	< 0.005	< 0.005	0.18	216
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.55	0.00	0.00	1.02	1.02	0.00	0.25	0.25	—	200	200	< 0.005	< 0.005	< 0.005	200
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.16	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	60.1	60.1	< 0.005	< 0.005	0.02	60.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.94	9.94	< 0.005	< 0.005	< 0.005	9.98
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.77. 4-K (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.00	1.68	15.5	30.8	0.04	0.48	—	0.48	0.44	—	0.44	—	4,744	4,744	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.00	1.68	15.5	30.8	0.04	0.48	—	0.48	0.44	—	0.44	—	4,744	4,744	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	0.41	3.77	7.52	0.01	0.12	—	0.12	0.11	—	0.11	—	1,157	1,157	0.05	0.01	—	1,161
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.09	0.07	0.69	1.37	< 0.005	0.02	—	0.02	0.02	—	0.02	—	191	191	0.01	< 0.005	—	192
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.03	0.75	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	251	251	< 0.005	< 0.005	0.21	252
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.64	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	233	233	< 0.005	< 0.005	0.01	234
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.15	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	57.4	57.4	< 0.005	< 0.005	0.02	57.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.51	9.51	< 0.005	< 0.005	< 0.005	9.54
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.78. 4-K (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.46	3.52	33.2	0.04	0.09	—	0.09	0.09	—	0.09	—	4,744	4,744	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.46	3.52	33.2	0.04	0.09	—	0.09	0.09	—	0.09	—	4,744	4,744	0.19	0.04	—	4,760
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.86	8.09	0.01	0.02	—	0.02	0.02	—	0.02	—	1,157	1,157	0.05	0.01	—	1,161
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	1.48	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	191	191	0.01	< 0.005	—	192
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.03	0.75	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	251	251	< 0.005	< 0.005	0.21	252
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.64	0.00	0.00	1.19	1.19	0.00	0.29	0.29	—	233	233	< 0.005	< 0.005	0.01	234
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.15	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	57.4	57.4	< 0.005	< 0.005	0.02	57.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	9.51	9.51	< 0.005	< 0.005	< 0.005	9.54
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
4-C	Demolition	6/1/2036	9/1/2036	5.00	66.0	—
4-A	Site Preparation	6/1/2036	9/1/2036	5.00	66.0	—
4-M	Site Preparation	9/1/2036	12/1/2036	5.00	66.0	—
4-B	Grading	9/1/2036	6/1/2037	5.00	196	—

4-L	Grading	7/1/2036	9/1/2036	5.00	45.0	—
4-N	Building Construction	12/1/2036	6/1/2038	5.00	392	—
4-D-1-A	Building Construction	10/1/2036	12/31/2036	5.00	66.0	—
4-D-1-C	Building Construction	1/1/2037	12/1/2038	5.00	500	—
4-D-2-A	Building Construction	2/1/2037	4/30/2037	5.00	64.0	—
4-D-2-C	Building Construction	5/1/2037	4/1/2039	5.00	501	—
4-Q	Building Construction	3/1/2036	12/1/2039	5.00	979	—
4-F-1-A	Building Construction	2/1/2037	4/30/2037	5.00	64.0	—
4-F-1-C	Building Construction	5/1/2037	6/1/2039	5.00	544	—
4-P	Paving	2/1/2038	6/1/2038	5.00	87.0	—
4-O	Architectural Coating	2/1/2038	6/1/2038	5.00	87.0	—
4-E-1	Architectural Coating	12/1/2038	7/1/2039	5.00	153	—
4-E-2	Architectural Coating	4/1/2039	11/1/2039	5.00	153	—
4-G	Architectural Coating	10/1/2038	6/1/2039	5.00	174	—
4-D-1-B	Trenching	10/1/2036	12/31/2036	5.00	66.0	—
4-D-2-B	Trenching	2/1/2037	4/30/2037	5.00	64.0	—
4-F-1-B	Trenching	2/1/2037	4/30/2037	5.00	64.0	—
4-H	Linear, Grubbing & Land Clearing	3/1/2037	6/1/2037	5.00	66.0	—
4-I	Linear, Grading & Excavation	6/1/2037	12/1/2037	5.00	132	—
4-J	Linear, Drainage, Utilities, & Sub-Grade	12/1/2037	6/1/2038	5.00	131	—
4-K	Linear, Paving	6/1/2038	10/1/2038	5.00	89.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

4-C	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
4-C	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
4-C	Concrete/Industrial Saws	Diesel	Average	4.00	4.00	33.0	0.73
4-C	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
4-A	Excavators	Diesel	Average	8.00	8.00	36.0	0.38
4-A	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
4-M	Rubber Tired Dozers	Diesel	Average	1.00	7.00	367	0.40
4-M	Tractors/Loaders/Back hoes	Diesel	Average	1.00	8.00	84.0	0.37
4-M	Graders	Diesel	Average	1.00	8.00	148	0.41
4-B	Excavators	Diesel	Average	8.00	8.00	36.0	0.38
4-B	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
4-L	Graders	Diesel	Average	1.00	8.00	148	0.41
4-L	Tractors/Loaders/Back hoes	Diesel	Average	2.00	7.00	84.0	0.37
4-L	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
4-N	Tractors/Loaders/Back hoes	Diesel	Average	1.00	6.00	84.0	0.37
4-N	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
4-N	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
4-N	Cranes	Diesel	Average	1.00	6.00	367	0.29
4-N	Welders	Diesel	Average	3.00	8.00	46.0	0.45
4-D-1-C	Cranes	Diesel	Average	7.00	8.00	367	0.29
4-D-1-C	Welders	Diesel	Average	12.0	8.00	46.0	0.45
4-D-1-C	Aerial Lifts	Diesel	Average	18.0	6.00	46.0	0.31
4-D-1-C	Air Compressors	Diesel	Average	6.00	2.00	37.0	0.48
4-D-1-C	Rough Terrain Forklifts	Diesel	Average	10.0	4.00	96.0	0.40
4-D-2-C	Cranes	Diesel	Average	7.00	8.00	367	0.29

4-D-2-C	Welders	Diesel	Average	12.0	8.00	46.0	0.45
4-D-2-C	Aerial Lifts	Diesel	Average	18.0	6.00	46.0	0.31
4-D-2-C	Air Compressors	Diesel	Average	6.00	2.00	37.0	0.48
4-D-2-C	Rough Terrain Forklifts	Diesel	Average	10.0	4.00	96.0	0.40
4-F-1-C	Cranes	Diesel	Average	7.00	8.00	367	0.29
4-F-1-C	Aerial Lifts	Diesel	Average	18.0	6.00	46.0	0.31
4-F-1-C	Welders	Diesel	Average	12.0	8.00	46.0	0.45
4-F-1-C	Air Compressors	Diesel	Average	6.00	2.00	37.0	0.48
4-F-1-C	Rough Terrain Forklifts	Diesel	Average	10.0	4.00	96.0	0.40
4-P	Pavers	Diesel	Average	1.00	6.00	81.0	0.42
4-P	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
4-P	Tractors/Loaders/Back hoes	Diesel	Average	1.00	8.00	84.0	0.37
4-P	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
4-P	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
4-O	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
4-E-1	Air Compressors	Diesel	Average	5.00	4.00	37.0	0.48
4-E-1	Aerial Lifts	Diesel	Average	13.0	12.0	46.0	0.31
4-E-2	Air Compressors	Diesel	Average	5.00	4.00	37.0	0.48
4-E-2	Aerial Lifts	Diesel	Average	13.0	12.0	46.0	0.31
4-G	Air Compressors	Diesel	Average	5.00	4.00	37.0	0.48
4-G	Aerial Lifts	Diesel	Average	13.0	12.0	46.0	0.31
4-D-1-B	Tractors/Loaders/Back hoes	Diesel	Average	6.00	5.00	84.0	0.37
4-D-1-B	Excavators	Diesel	Average	6.00	4.00	36.0	0.38
4-D-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
4-D-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
4-D-2-B	Tractors/Loaders/Back hoes	Diesel	Average	6.00	5.00	84.0	0.37

4-D-2-B	Excavators	Diesel	Average	6.00	4.00	36.0	0.38
4-D-2-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
4-D-2-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
4-F-1-B	Tractors/Loaders/Back hoes	Diesel	Average	6.00	5.00	84.0	0.37
4-F-1-B	Excavators	Diesel	Average	6.00	4.00	36.0	0.38
4-F-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
4-F-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
4-H	Graders	Diesel	Average	2.00	8.00	148	0.41
4-H	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
4-H	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
4-H	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
4-H	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
4-I	Graders	Diesel	Average	2.00	8.00	148	0.41
4-I	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
4-I	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
4-I	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
4-I	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
4-J	Graders	Diesel	Average	2.00	8.00	148	0.41
4-J	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
4-J	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
4-J	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
4-J	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
4-K	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
4-K	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
4-K	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37

4-K	Graders	Diesel	Average	2.00	8.00	148	0.41
4-K	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
4-K	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
4-C	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
4-C	Excavators	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
4-C	Concrete/Industrial Saws	Diesel	Tier 4 Final	4.00	4.00	33.0	0.73
4-C	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
4-A	Excavators	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
4-A	Excavators	Electric	Average	4.00	8.00	36.0	0.38
4-A	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
4-M	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	7.00	367	0.40
4-M	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
4-M	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
4-B	Excavators	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
4-B	Excavators	Electric	Average	4.00	8.00	36.0	0.38
4-B	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
4-L	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
4-L	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	7.00	84.0	0.37
4-L	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
4-N	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	6.00	84.0	0.37
4-N	Forklifts	Electric	Average	1.00	6.00	82.0	0.20
4-N	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74

4-N	Cranes	Diesel	Tier 4 Final	1.00	6.00	367	0.29
4-N	Welders	Electric	Average	3.00	8.00	46.0	0.45
4-D-1-C	Cranes	Diesel	Tier 4 Final	7.00	8.00	367	0.29
4-D-1-C	Welders	Electric	Average	12.0	8.00	46.0	0.45
4-D-1-C	Aerial Lifts	Electric	Average	18.0	6.00	46.0	0.31
4-D-1-C	Air Compressors	Electric	Average	6.00	2.00	37.0	0.48
4-D-1-C	Rough Terrain Forklifts	Diesel	Tier 4 Final	10.0	4.00	96.0	0.40
4-D-2-C	Cranes	Diesel	Tier 4 Final	7.00	8.00	367	0.29
4-D-2-C	Welders	Electric	Average	12.0	8.00	46.0	0.45
4-D-2-C	Aerial Lifts	Electric	Average	18.0	6.00	46.0	0.31
4-D-2-C	Air Compressors	Electric	Average	6.00	2.00	37.0	0.48
4-D-2-C	Rough Terrain Forklifts	Diesel	Tier 4 Final	10.0	4.00	96.0	0.40
4-F-1-C	Cranes	Diesel	Tier 4 Final	7.00	8.00	367	0.29
4-F-1-C	Aerial Lifts	Electric	Average	18.0	6.00	46.0	0.31
4-F-1-C	Welders	Electric	Average	12.0	8.00	46.0	0.45
4-F-1-C	Air Compressors	Electric	Average	6.00	2.00	37.0	0.48
4-F-1-C	Rough Terrain Forklifts	Diesel	Tier 4 Final	10.0	4.00	96.0	0.40
4-P	Pavers	Diesel	Tier 4 Final	1.00	6.00	81.0	0.42
4-P	Rollers	Diesel	Tier 4 Final	1.00	7.00	36.0	0.38
4-P	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
4-P	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
4-P	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
4-O	Air Compressors	Electric	Average	1.00	6.00	37.0	0.48
4-E-1	Air Compressors	Electric	Average	5.00	4.00	37.0	0.48
4-E-1	Aerial Lifts	Electric	Average	13.0	12.0	46.0	0.31
4-E-2	Air Compressors	Electric	Average	5.00	4.00	37.0	0.48
4-E-2	Aerial Lifts	Electric	Average	13.0	12.0	46.0	0.31

4-G	Air Compressors	Electric	Average	5.00	4.00	37.0	0.48
4-G	Aerial Lifts	Electric	Average	13.0	12.0	46.0	0.31
4-D-1-B	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	6.00	5.00	84.0	0.37
4-D-1-B	Excavators	Diesel	Tier 4 Final	6.00	4.00	36.0	0.38
4-D-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
4-D-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
4-D-2-B	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	6.00	5.00	84.0	0.37
4-D-2-B	Excavators	Diesel	Tier 4 Final	6.00	4.00	36.0	0.38
4-D-2-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
4-D-2-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
4-F-1-B	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	6.00	5.00	84.0	0.37
4-F-1-B	Excavators	Diesel	Tier 4 Final	6.00	4.00	36.0	0.38
4-F-1-B	Generator Sets	Diesel	Average	18.0	8.00	14.0	0.74
4-F-1-B	Plate Compactors	Diesel	Average	10.0	2.00	8.00	0.43
4-H	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
4-H	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
4-H	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
4-H	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
4-H	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
4-I	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
4-I	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
4-I	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
4-I	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
4-I	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
4-J	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41

4-J	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
4-J	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
4-J	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
4-J	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
4-K	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
4-K	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
4-K	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
4-K	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
4-K	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
4-K	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
4-C	—	—	—	—
4-C	Worker	20.0	11.7	LDA,LDT1,LDT2
4-C	Vendor	0.00	8.40	HHDT,MHDT
4-C	Hauling	50.0	25.0	HHDT
4-C	Onsite truck	0.00	0.00	HHDT
4-A	—	—	—	—
4-A	Worker	30.0	11.7	LDA,LDT1,LDT2
4-A	Vendor	0.00	8.40	HHDT,MHDT
4-A	Hauling	26.0	25.0	HHDT
4-A	Onsite truck	0.00	0.00	HHDT
4-B	—	—	—	—
4-B	Worker	30.0	11.7	LDA,LDT1,LDT2

4-B	Vendor	0.00	8.40	HHDT,MHDT
4-B	Hauling	26.0	25.0	HHDT
4-B	Onsite truck	0.00	0.00	HHDT
4-D-1-A	—	—	—	—
4-D-1-A	Worker	50.0	11.7	LDA,LDT1,LDT2
4-D-1-A	Vendor	25.0	8.40	HHDT,MHDT
4-D-1-A	Hauling	0.00	20.0	HHDT
4-D-1-A	Onsite truck	0.00	0.00	HHDT
4-E-1	—	—	—	—
4-E-1	Worker	50.0	11.7	LDA,LDT1,LDT2
4-E-1	Vendor	0.00	8.40	HHDT,MHDT
4-E-1	Hauling	0.00	20.0	HHDT
4-E-1	Onsite truck	0.00	0.00	HHDT
4-H	—	—	—	—
4-H	Worker	30.0	11.7	LDA,LDT1,LDT2
4-H	Vendor	0.00	8.40	HHDT,MHDT
4-H	Hauling	0.00	20.0	HHDT
4-H	Onsite truck	0.00	0.00	HHDT
4-I	—	—	—	—
4-I	Worker	30.0	11.7	LDA,LDT1,LDT2
4-I	Vendor	1.00	8.40	HHDT,MHDT
4-I	Hauling	3.79	25.0	HHDT
4-I	Onsite truck	0.00	0.00	HHDT
4-J	—	—	—	—
4-J	Worker	30.0	11.7	LDA,LDT1,LDT2
4-J	Vendor	0.00	8.40	HHDT,MHDT
4-J	Hauling	0.00	25.0	HHDT
4-J	Onsite truck	0.00	0.00	HHDT

4-K	—	—	—	—
4-K	Worker	35.0	11.7	LDA,LDT1,LDT2
4-K	Vendor	0.00	8.40	HHDT,MHDT
4-K	Hauling	0.00	20.0	HHDT
4-K	Onsite truck	0.00	0.00	HHDT
4-O	—	—	—	—
4-O	Worker	13.0	11.7	LDA,LDT1,LDT2
4-O	Vendor	0.00	8.40	HHDT,MHDT
4-O	Hauling	0.00	20.0	HHDT
4-O	Onsite truck	0.00	0.00	HHDT
4-N	—	—	—	—
4-N	Worker	50.0	11.7	LDA,LDT1,LDT2
4-N	Vendor	0.00	8.40	HHDT,MHDT
4-N	Hauling	86.0	25.0	HHDT
4-N	Onsite truck	0.00	0.00	HHDT
4-D-1-C	—	—	—	—
4-D-1-C	Worker	80.0	11.7	LDA,LDT1,LDT2
4-D-1-C	Vendor	25.0	20.0	HHDT,MHDT
4-D-1-C	Hauling	0.00	20.0	HHDT
4-D-1-C	Onsite truck	0.00	0.00	HHDT
4-D-2-A	—	—	—	—
4-D-2-A	Worker	50.0	11.7	LDA,LDT1,LDT2
4-D-2-A	Vendor	25.0	8.40	HHDT,MHDT
4-D-2-A	Hauling	0.00	20.0	HHDT
4-D-2-A	Onsite truck	0.00	0.00	HHDT
4-D-2-C	—	—	—	—
4-D-2-C	Worker	80.0	11.7	LDA,LDT1,LDT2
4-D-2-C	Vendor	25.0	20.0	HHDT,MHDT

4-D-2-C	Hauling	0.00	20.0	HHDT
4-D-2-C	Onsite truck	0.00	0.00	HHDT
4-Q	—	—	—	—
4-Q	Worker	0.00	11.7	LDA,LDT1,LDT2
4-Q	Vendor	0.00	8.40	HHDT,MHDT
4-Q	Hauling	22.0	25.0	HHDT
4-Q	Onsite truck	0.00	0.00	HHDT
4-P	—	—	—	—
4-P	Worker	20.0	11.7	LDA,LDT1,LDT2
4-P	Vendor	0.00	8.40	HHDT,MHDT
4-P	Hauling	0.00	20.0	HHDT
4-P	Onsite truck	0.00	0.00	HHDT
4-E-2	—	—	—	—
4-E-2	Worker	50.0	11.7	LDA,LDT1,LDT2
4-E-2	Vendor	0.00	8.40	HHDT,MHDT
4-E-2	Hauling	0.00	20.0	HHDT
4-E-2	Onsite truck	0.00	0.00	HHDT
4-D-1-B	—	—	—	—
4-D-1-B	Worker	20.0	11.7	LDA,LDT1,LDT2
4-D-1-B	Vendor	0.00	8.40	HHDT,MHDT
4-D-1-B	Hauling	0.00	20.0	HHDT
4-D-1-B	Onsite truck	0.00	0.00	HHDT
4-D-2-B	—	—	—	—
4-D-2-B	Worker	20.0	11.7	LDA,LDT1,LDT2
4-D-2-B	Vendor	0.00	8.40	HHDT,MHDT
4-D-2-B	Hauling	0.00	20.0	HHDT
4-D-2-B	Onsite truck	0.00	0.00	HHDT
4-F-1-A	—	—	—	—

4-F-1-A	Worker	40.0	11.7	LDA,LDT1,LDT2
4-F-1-A	Vendor	25.0	8.40	HHDT,MHDT
4-F-1-A	Hauling	0.00	20.0	HHDT
4-F-1-A	Onsite truck	0.00	0.00	HHDT
4-F-1-C	—	—	—	—
4-F-1-C	Worker	80.0	11.7	LDA,LDT1,LDT2
4-F-1-C	Vendor	20.0	8.40	HHDT,MHDT
4-F-1-C	Hauling	0.00	20.0	HHDT
4-F-1-C	Onsite truck	0.00	0.00	HHDT
4-G	—	—	—	—
4-G	Worker	50.0	11.7	LDA,LDT1,LDT2
4-G	Vendor	0.00	8.40	HHDT,MHDT
4-G	Hauling	0.00	20.0	HHDT
4-G	Onsite truck	0.00	—	HHDT
4-F-1-B	—	—	—	—
4-F-1-B	Worker	20.0	11.7	LDA,LDT1,LDT2
4-F-1-B	Vendor	0.00	8.40	HHDT,MHDT
4-F-1-B	Hauling	0.00	20.0	HHDT
4-F-1-B	Onsite truck	0.00	0.00	HHDT
4-M	—	—	—	—
4-M	Worker	7.50	11.7	LDA,LDT1,LDT2
4-M	Vendor	0.00	8.40	HHDT,MHDT
4-M	Hauling	0.00	20.0	HHDT
4-M	Onsite truck	0.00	0.00	HHDT
4-L	—	—	—	—
4-L	Worker	10.0	11.7	LDA,LDT1,LDT2
4-L	Vendor	0.00	8.40	HHDT,MHDT
4-L	Hauling	0.00	20.0	HHDT

4-L	Onsite truck	0.00	0.00	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
4-C	—	—	—	—
4-C	Worker	20.0	11.7	LDA,LDT1,LDT2
4-C	Vendor	0.00	8.40	HHDT,MHDT
4-C	Hauling	50.0	25.0	HHDT
4-C	Onsite truck	0.00	0.00	HHDT
4-A	—	—	—	—
4-A	Worker	30.0	11.7	LDA,LDT1,LDT2
4-A	Vendor	0.00	8.40	HHDT,MHDT
4-A	Hauling	26.0	25.0	HHDT
4-A	Onsite truck	0.00	0.00	HHDT
4-B	—	—	—	—
4-B	Worker	30.0	11.7	LDA,LDT1,LDT2
4-B	Vendor	0.00	8.40	HHDT,MHDT
4-B	Hauling	26.0	25.0	HHDT
4-B	Onsite truck	0.00	0.00	HHDT
4-D-1-A	—	—	—	—
4-D-1-A	Worker	50.0	11.7	LDA,LDT1,LDT2
4-D-1-A	Vendor	25.0	8.40	HHDT,MHDT
4-D-1-A	Hauling	0.00	20.0	HHDT
4-D-1-A	Onsite truck	0.00	0.00	HHDT
4-E-1	—	—	—	—
4-E-1	Worker	50.0	11.7	LDA,LDT1,LDT2
4-E-1	Vendor	0.00	8.40	HHDT,MHDT
4-E-1	Hauling	0.00	20.0	HHDT

4-E-1	Onsite truck	0.00	0.00	HHDT
4-H	—	—	—	—
4-H	Worker	30.0	11.7	LDA,LDT1,LDT2
4-H	Vendor	0.00	8.40	HHDT,MHDT
4-H	Hauling	0.00	20.0	HHDT
4-H	Onsite truck	0.00	0.00	HHDT
4-I	—	—	—	—
4-I	Worker	30.0	11.7	LDA,LDT1,LDT2
4-I	Vendor	1.00	8.40	HHDT,MHDT
4-I	Hauling	3.79	25.0	HHDT
4-I	Onsite truck	0.00	0.00	HHDT
4-J	—	—	—	—
4-J	Worker	30.0	11.7	LDA,LDT1,LDT2
4-J	Vendor	0.00	8.40	HHDT,MHDT
4-J	Hauling	0.00	25.0	HHDT
4-J	Onsite truck	0.00	0.00	HHDT
4-K	—	—	—	—
4-K	Worker	35.0	11.7	LDA,LDT1,LDT2
4-K	Vendor	0.00	8.40	HHDT,MHDT
4-K	Hauling	0.00	20.0	HHDT
4-K	Onsite truck	0.00	0.00	HHDT
4-O	—	—	—	—
4-O	Worker	13.0	11.7	LDA,LDT1,LDT2
4-O	Vendor	0.00	8.40	HHDT,MHDT
4-O	Hauling	0.00	20.0	HHDT
4-O	Onsite truck	0.00	0.00	HHDT
4-N	—	—	—	—
4-N	Worker	50.0	11.7	LDA,LDT1,LDT2

4-N	Vendor	0.00	8.40	HHDT,MHDT
4-N	Hauling	86.0	25.0	HHDT
4-N	Onsite truck	0.00	0.00	HHDT
4-D-1-C	—	—	—	—
4-D-1-C	Worker	80.0	11.7	LDA,LDT1,LDT2
4-D-1-C	Vendor	25.0	20.0	HHDT,MHDT
4-D-1-C	Hauling	0.00	20.0	HHDT
4-D-1-C	Onsite truck	0.00	0.00	HHDT
4-D-2-A	—	—	—	—
4-D-2-A	Worker	50.0	11.7	LDA,LDT1,LDT2
4-D-2-A	Vendor	25.0	8.40	HHDT,MHDT
4-D-2-A	Hauling	0.00	20.0	HHDT
4-D-2-A	Onsite truck	0.00	0.00	HHDT
4-D-2-C	—	—	—	—
4-D-2-C	Worker	80.0	11.7	LDA,LDT1,LDT2
4-D-2-C	Vendor	25.0	20.0	HHDT,MHDT
4-D-2-C	Hauling	0.00	20.0	HHDT
4-D-2-C	Onsite truck	0.00	0.00	HHDT
4-Q	—	—	—	—
4-Q	Worker	0.00	11.7	LDA,LDT1,LDT2
4-Q	Vendor	0.00	8.40	HHDT,MHDT
4-Q	Hauling	22.0	25.0	HHDT
4-Q	Onsite truck	0.00	0.00	HHDT
4-P	—	—	—	—
4-P	Worker	20.0	11.7	LDA,LDT1,LDT2
4-P	Vendor	0.00	8.40	HHDT,MHDT
4-P	Hauling	0.00	20.0	HHDT
4-P	Onsite truck	0.00	0.00	HHDT

4-E-2	—	—	—	—
4-E-2	Worker	50.0	11.7	LDA,LDT1,LDT2
4-E-2	Vendor	0.00	8.40	HHDT,MHDT
4-E-2	Hauling	0.00	20.0	HHDT
4-E-2	Onsite truck	0.00	0.00	HHDT
4-D-1-B	—	—	—	—
4-D-1-B	Worker	20.0	11.7	LDA,LDT1,LDT2
4-D-1-B	Vendor	0.00	8.40	HHDT,MHDT
4-D-1-B	Hauling	0.00	20.0	HHDT
4-D-1-B	Onsite truck	0.00	0.00	HHDT
4-D-2-B	—	—	—	—
4-D-2-B	Worker	20.0	11.7	LDA,LDT1,LDT2
4-D-2-B	Vendor	0.00	8.40	HHDT,MHDT
4-D-2-B	Hauling	0.00	20.0	HHDT
4-D-2-B	Onsite truck	0.00	0.00	HHDT
4-F-1-A	—	—	—	—
4-F-1-A	Worker	40.0	11.7	LDA,LDT1,LDT2
4-F-1-A	Vendor	25.0	8.40	HHDT,MHDT
4-F-1-A	Hauling	0.00	20.0	HHDT
4-F-1-A	Onsite truck	0.00	0.00	HHDT
4-F-1-C	—	—	—	—
4-F-1-C	Worker	80.0	11.7	LDA,LDT1,LDT2
4-F-1-C	Vendor	20.0	8.40	HHDT,MHDT
4-F-1-C	Hauling	0.00	20.0	HHDT
4-F-1-C	Onsite truck	0.00	0.00	HHDT
4-G	—	—	—	—
4-G	Worker	50.0	11.7	LDA,LDT1,LDT2
4-G	Vendor	0.00	8.40	HHDT,MHDT

4-G	Hauling	0.00	20.0	HHDT
4-G	Onsite truck	0.00	—	HHDT
4-F-1-B	—	—	—	—
4-F-1-B	Worker	20.0	11.7	LDA,LDT1,LDT2
4-F-1-B	Vendor	0.00	8.40	HHDT,MHDT
4-F-1-B	Hauling	0.00	20.0	HHDT
4-F-1-B	Onsite truck	0.00	0.00	HHDT
4-M	—	—	—	—
4-M	Worker	7.50	11.7	LDA,LDT1,LDT2
4-M	Vendor	0.00	8.40	HHDT,MHDT
4-M	Hauling	0.00	20.0	HHDT
4-M	Onsite truck	0.00	0.00	HHDT
4-L	—	—	—	—
4-L	Worker	10.0	11.7	LDA,LDT1,LDT2
4-L	Vendor	0.00	8.40	HHDT,MHDT
4-L	Hauling	0.00	20.0	HHDT
4-L	Onsite truck	0.00	0.00	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
4-E-1	0.00	0.00	357,000	125,000	0.00
4-E-2	0.00	0.00	357,000	125,000	0.00
4-O	0.00	0.00	945,000	105,000	0.00

4-G	0.00	0.00	0.00	0.00	0.00

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
4-A	0.00	0.00	4.78	0.00	—
4-B	38,566	0.00	0.00	0.00	—
4-P	0.00	0.00	0.00	0.00	0.00
4-I	6,000	0.00	0.00	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Office Park	0.00	0%
Research & Development	0.00	0%
University/College (4yr)	0.00	0%
General Office Building	0.00	0%
Regional Shopping Center	0.00	0%
Hotel	0.00	0%
Apartments Mid Rise	—	0%
Enclosed Parking with Elevator	0.00	100%
Parking Lot	0.00	100%
Road Construction	0.00	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2036	0.00	1.79	0.00	0.00
2037	500,000	1.79	0.00	0.00
2038	500,000	1.79	0.00	0.00
2039	250,000	1.79	0.00	0.00

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	Project in urban environment
Land Use	Office acres include acres for office, R&D, and academic. Active use acres partially shared with R&D acres. Linear acres includes Girard and utility improvements. No conference, hotel, or surface parking during Phase 4.
Construction: Construction Phases	Data provided by SKS
Construction: Off-Road Equipment	Data provided by SKS.
Construction: Dust From Material Movement	Data provided by SKS.
Construction: Trips and VMT	Data provided by SKS. Defaults used where project-specific data were not available.
Construction: Paving	Data provided by SKS
Construction: On-Road Fugitive Dust	Silt loading modified per BAAQMD CEQA Guidelines.
Construction: Architectural Coatings	Distributed coating square footages to phases based on buildings constructed in each phase.
Construction: Demolition	Data provided by SKS.
Construction: Electricity	Per PG&E's 2023 PCL adjusted to account for RPS. CO2 is CO2e. 2036 consumption included in Phase 3.

F1.2 Operations

The CalEEMod output presents model inputs and outputs for operation of the CEQA Reduced Density Alternative with the Variant under full-build conditions (2040). Note that Alternative 1 landscaping emissions (including additional energy emissions from electrified equipment under the mitigated condition) were used in place of the estimates shown in this file to ensure consistency between the alternatives. Refer to Section D1.2, *Operations*, for additional information.

Note that the mitigated condition does not account for Mitigation Measure TRAN-1. Based on modeling from Fehr & Peers, the measure would achieve a 7.5 percent reduction in trips and VMT (Tan pers. comm. [A]). Accordingly, mobile-source emissions from CalEEMod were manually reduced by 7.5 percent to account for implementation of Mitigation Measure TRAN-1.

Neither total operation nor mobile-source emissions results in the CalEEMod output are adjusted to reflect the June 12, 2025, congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has developed off-model adjustment factors for NO_X, ROG, PM_{10}, and $PM_{2.5}$ that remove the estimated emissions benefits attributed to regulations. Emissions of these pollutants were separately quantified using the project-specific traffic data and emission factors from EMFAC2021 with the off-model adjustments per CARB's guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for mobile sources and the total operational emissions recalculated. Refer to Section E1.2.5 for the off-model calculations.

Refer to Sections E1.2.1 through E1.2.3 for CalEEMod outputs for operation of Phase 1, Phases 1 and 2, and Phases 1, 2, and 3, respectively. Because the shift from housing to research square footage under the Variant would not occur until Phase 4, there would be no difference in operational activity relative to Alternative 2 prior to full build. Refer to Sections A1.2.5 through A1.2.8 for emissions calculations for the cooling towers, wet labs, and tree removals and plantings.

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4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Moffett Alt 2 No Housing Sub-Alternative Operation Full Build
Operational Year	2040
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	28.2
Location	37.40646021370499, -122.05214834788202
County	Santa Clara
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1702
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	215	1000sqft	12.7	215,000	0.00	0.00	—	—
Research & Development	840	1000sqft	0.00	840,000	0.00	0.00	—	—

University/College (4yr)	105	Student	0.00	150,000	0.00	0.00	—	—
General Office Building	25.0	1000sqft	1.10	25,000	0.00	0.00	—	—
Regional Shopping Center	90.0	1000sqft	0.60	90,000	0.00	0.00	—	—
Hotel	100	Room	0.00	75,000	0.00	0.00	—	—
Apartments Mid Rise	0.00	Dwelling Unit	0.00	0.00	0.00	0.00	0.00	—
Enclosed Parking with Elevator	1,080	1000sqft	2.80	1,080,000	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Area Sources	AS-1	Use Low-VOC Cleaning Supplies
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment
Area Sources	AS-2	Use Low-VOC Paints

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	97.1	93.2	47.9	527	1.05	1.72	86.7	88.4	1.66	22.0	23.6	1,021	108,278	109,300	106	3.08	1,106	113,968
Mit.	72.1	69.7	47.0	419	1.05	1.53	86.7	88.2	1.51	22.0	23.5	1,021	107,836	108,857	106	3.07	1,106	113,524
% Reduced	26%	25%	2%	20%	1%	11%	—	< 0.5%	9%	—	1%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	77.2	74.7	50.3	396	1.00	1.53	86.7	88.2	1.51	22.0	23.5	1,021	103,060	104,081	106	3.34	1,067	108,795
Mit.	71.4	68.9	50.3	396	1.00	1.53	86.7	88.2	1.51	22.0	23.5	1,021	103,060	104,081	106	3.34	1,067	108,795
% Reduced	8%	8%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	77.2	74.2	23.4	304	0.73	0.51	81.6	82.1	0.46	20.7	21.2	1,021	74,640	75,662	105	2.91	1,082	80,231
Mit.	62.0	59.7	22.9	251	0.73	0.41	81.6	82.0	0.39	20.7	21.1	1,021	74,422	75,443	105	2.91	1,082	80,012
% Reduced	20%	20%	2%	17%	< 0.5%	19%	—	< 0.5%	15%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.1	13.6	4.27	55.5	0.13	0.09	14.9	15.0	0.08	3.78	3.86	169	12,358	12,527	17.3	0.48	179	13,283
Mit.	11.3	10.9	4.19	45.8	0.13	0.08	14.9	15.0	0.07	3.78	3.85	169	12,321	12,491	17.3	0.48	179	13,247
% Reduced	20%	20%	2%	17%	< 0.5%	19%	—	< 0.5%	15%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	33.0	30.7	19.0	274	0.77	0.30	86.7	87.0	0.28	22.0	22.3	—	78,421	78,421	2.36	2.70	40.0	79,323
Area	55.5	54.0	0.91	108	0.01	0.19	—	0.19	0.14	—	0.14	0.00	443	443	0.02	< 0.005	—	444
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	164	164	0.00	0.00	—	164
Water	—	—	—	—	—	—	—	—	—	—	—	61.5	1.59	63.1	6.31	0.15	—	266
Waste	—	—	—	—	—	—	—	—	—	—	—	960	0.00	960	95.9	0.00	—	3,358

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,066	1,066
Stationary	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Total	97.1	93.2	47.9	527	1.05	1.72	86.7	88.4	1.66	22.0	23.6	1,021	108,278	109,300	106	3.08	1,106	113,968
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	32.2	29.9	22.3	250	0.72	0.30	86.7	87.0	0.28	22.0	22.3	—	73,645	73,645	2.61	2.96	1.04	74,594
Area	36.3	36.3	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	164	164	0.00	0.00	—	164
Water	—	—	—	—	—	—	—	—	—	—	—	61.5	1.59	63.1	6.31	0.15	—	266
Waste	—	—	—	—	—	—	—	—	—	—	—	960	0.00	960	95.9	0.00	—	3,358
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,066	1,066
Stationary	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Total	77.2	74.7	50.3	396	1.00	1.53	86.7	88.2	1.51	22.0	23.5	1,021	103,060	104,081	106	3.34	1,067	108,795
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	30.6	28.3	20.1	236	0.70	0.28	81.6	81.9	0.27	20.7	21.0	—	71,251	71,251	2.40	2.74	16.6	72,143
Area	45.8	45.0	0.45	53.1	< 0.005	0.09	—	0.09	0.07	—	0.07	0.00	218	218	0.01	< 0.005	—	219
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	164	164	0.00	0.00	—	164
Water	—	—	—	—	—	—	—	—	—	—	—	61.5	1.59	63.1	6.31	0.15	—	266
Waste	—	—	—	—	—	—	—	—	—	—	—	960	0.00	960	95.9	0.00	—	3,358
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,066	1,066
Stationary	0.89	0.87	2.88	15.0	0.03	0.13	0.00	0.13	0.13	0.00	0.13	0.00	3,005	3,005	0.12	0.02	0.00	3,015
Total	77.2	74.2	23.4	304	0.73	0.51	81.6	82.1	0.46	20.7	21.2	1,021	74,640	75,662	105	2.91	1,082	80,231
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.58	5.17	3.66	43.0	0.13	0.05	14.9	14.9	0.05	3.78	3.83	—	11,796	11,796	0.40	0.45	2.75	11,944
Area	8.35	8.22	0.08	9.69	< 0.005	0.02	—	0.02	0.01	—	0.01	0.00	36.1	36.1	< 0.005	< 0.005	—	36.3
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	27.2	27.2	0.00	0.00	—	27.2

Water	—	—	—	—	—	—	—	—	—	—	—	10.2	0.26	10.5	1.04	0.02	—	44.0
Waste	—	—	—	—	—	—	—	—	—	—	—	159	0.00	159	15.9	0.00	—	556
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	176	176
Stationary	0.16	0.16	0.53	2.73	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.00	498	498	0.02	< 0.005	0.00	499
Total	14.1	13.6	4.27	55.5	0.13	0.09	14.9	15.0	0.08	3.78	3.86	169	12,358	12,527	17.3	0.48	179	13,283

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	33.0	30.7	19.0	274	0.77	0.30	86.7	87.0	0.28	22.0	22.3	—	78,421	78,421	2.36	2.70	40.0	79,323
Area	30.5	30.5	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	165	165	0.00	0.00	—	165
Water	—	—	—	—	—	—	—	—	—	—	—	61.5	1.59	63.1	6.31	0.15	—	266
Waste	—	—	—	—	—	—	—	—	—	—	—	960	0.00	960	95.9	0.00	—	3,358
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,066	1,066
Stationary	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Total	72.1	69.7	47.0	419	1.05	1.53	86.7	88.2	1.51	22.0	23.5	1,021	107,836	108,857	106	3.07	1,106	113,524
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	32.2	29.9	22.3	250	0.72	0.30	86.7	87.0	0.28	22.0	22.3	—	73,645	73,645	2.61	2.96	1.04	74,594
Area	30.5	30.5	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	164	164	0.00	0.00	—	164
Water	—	—	—	—	—	—	—	—	—	—	—	61.5	1.59	63.1	6.31	0.15	—	266
Waste	—	—	—	—	—	—	—	—	—	—	—	960	0.00	960	95.9	0.00	—	3,358

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,066	1,066
Stationary	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Total	71.4	68.9	50.3	396	1.00	1.53	86.7	88.2	1.51	22.0	23.5	1,021	103,060	104,081	106	3.34	1,067	108,795
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	30.6	28.3	20.1	236	0.70	0.28	81.6	81.9	0.27	20.7	21.0	—	71,251	71,251	2.40	2.74	16.6	72,143
Area	30.5	30.5	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	165	165	0.00	0.00	—	165
Water	—	—	—	—	—	—	—	—	—	—	—	61.5	1.59	63.1	6.31	0.15	—	266
Waste	—	—	—	—	—	—	—	—	—	—	—	960	0.00	960	95.9	0.00	—	3,358
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,066	1,066
Stationary	0.89	0.87	2.88	15.0	0.03	0.13	0.00	0.13	0.13	0.00	0.13	0.00	3,005	3,005	0.12	0.02	0.00	3,015
Total	62.0	59.7	22.9	251	0.73	0.41	81.6	82.0	0.39	20.7	21.1	1,021	74,422	75,443	105	2.91	1,082	80,012
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.58	5.17	3.66	43.0	0.13	0.05	14.9	14.9	0.05	3.78	3.83	—	11,796	11,796	0.40	0.45	2.75	11,944
Area	5.56	5.56	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	27.3	27.3	0.00	0.00	—	27.3
Water	—	—	—	—	—	—	—	—	—	—	—	10.2	0.26	10.5	1.04	0.02	—	44.0
Waste	—	—	—	—	—	—	—	—	—	—	—	159	0.00	159	15.9	0.00	—	556
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	176	176
Stationary	0.16	0.16	0.53	2.73	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.00	498	498	0.02	< 0.005	0.00	499
Total	11.3	10.9	4.19	45.8	0.13	0.08	14.9	15.0	0.07	3.78	3.85	169	12,321	12,491	17.3	0.48	179	13,247

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	164	164	0.00	0.00	—	164
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	164	164	0.00	0.00	—	164
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	164	164	0.00	0.00	—	164
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	164	164	0.00	0.00	—	164
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	27.2	27.2	0.00	0.00	—	27.2
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	27.2	27.2	0.00	0.00	—	27.2

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03	0.00	0.00	—	0.03
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	165	165	0.00	0.00	—	165
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02	0.00	0.00	—	0.02
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.15	0.15	0.00	0.00	—	0.15
Total	—	—	—	—	—	—	—	—	—	—	—	—	165	165	0.00	0.00	—	165
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	164	164	0.00	0.00	—	164
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	164	164	0.00	0.00	—	164
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	27.2	27.2	0.00	0.00	—	27.2

University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	0.00	0.00	—	< 0.005
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01	0.00	0.00	—	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	27.3	27.3	0.00	0.00	—	27.3

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	29.9	29.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	6.44	6.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	19.2	17.7	0.91	108	0.01	0.19	—	0.19	0.14	—	0.14	—	443	443	0.02	< 0.005	—	444
Total	55.5	54.0	0.91	108	0.01	0.19	—	0.19	0.14	—	0.14	0.00	443	443	0.02	< 0.005	—	444
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	29.9	29.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	6.44	6.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	36.3	36.3	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	5.45	5.45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.18	1.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.73	1.59	0.08	9.69	< 0.005	0.02	—	0.02	0.01	—	0.01	—	36.1	36.1	< 0.005	< 0.005	—	36.3
Total	8.35	8.22	0.08	9.69	< 0.005	0.02	—	0.02	0.01	—	0.01	0.00	36.1	36.1	< 0.005	< 0.005	—	36.3

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	27.6	27.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.86	2.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	30.5	30.5	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	27.6	27.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.86	2.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	30.5	30.5	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	5.04	5.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	0.52	0.52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	5.56	5.56	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	61.5	1.52	63.1	6.31	0.15	—	266
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.07	0.07	0.00	0.00	—	0.07
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclose Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	61.5	1.59	63.1	6.31	0.15	—	266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	61.5	1.52	63.1	6.31	0.15	—	266
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.07	0.07	0.00	0.00	—	0.07
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	61.5	1.59	63.1	6.31	0.15	—	266
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	10.2	0.25	10.4	1.04	0.02	—	44.0
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.01	0.01	0.00	0.00	—	0.01
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	10.2	0.26	10.5	1.04	0.02	—	44.0

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	61.5	1.52	63.1	6.31	0.15	—	266
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.07	0.07	0.00	0.00	—	0.07
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	61.5	1.59	63.1	6.31	0.15	—	266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	61.5	1.52	63.1	6.31	0.15	—	266

University/Colleg	—	—	—	—	—	—	—	—	—	—	—	0.00	0.07	0.07	0.00	0.00	—	0.07
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	61.5	1.59	63.1	6.31	0.15	—	266
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	10.2	0.25	10.4	1.04	0.02	—	44.0
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.01	0.01	0.00	0.00	—	0.01
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	10.2	0.26	10.5	1.04	0.02	—	44.0

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

General Office Building	—	—	—	—	—	—	—	—	—	—	—	960	0.00	960	95.9	0.00	—	3,358
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	960	0.00	960	95.9	0.00	—	3,358
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	960	0.00	960	95.9	0.00	—	3,358

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	960	0.00	960	95.9	0.00	—	3,358
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	159	0.00	159	15.9	0.00	—	556
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclose Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	159	0.00	159	15.9	0.00	—	556

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	960	0.00	960	95.9	0.00	—	3,358
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	960	0.00	960	95.9	0.00	—	3,358
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	960	0.00	960	95.9	0.00	—	3,358
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	960	0.00	960	95.9	0.00	—	3,358
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Researc & Developm ent	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Universit y/Colleg e (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	159	0.00	159	15.9	0.00	—	556
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	159	0.00	159	15.9	0.00	—	556

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	554	554
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	511	511
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.35	0.35
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,066	1,066
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	554	554
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	511	511
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.35	0.35
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,066	1,066
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	91.7	91.7
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	84.6	84.6
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06	0.06
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	176	176

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	554	554
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	511	511
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.35	0.35
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,066	1,066
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	554	554
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	511	511
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.35	0.35
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29	0.29
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,066	1,066
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	91.7	91.7
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	84.6	84.6
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06	0.06
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	176	176

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Total	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Total	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.16	0.16	0.53	2.73	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.00	498	498	0.02	< 0.005	0.00	499
Total	0.16	0.16	0.53	2.73	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.00	498	498	0.02	< 0.005	0.00	499

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Total	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Total	8.64	8.50	28.0	146	0.27	1.23	0.00	1.23	1.23	0.00	1.23	0.00	29,249	29,249	1.17	0.23	0.00	29,346
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.16	0.16	0.53	2.73	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.00	498	498	0.02	< 0.005	0.00	499
Total	0.16	0.16	0.53	2.73	0.01	0.02	0.00	0.02	0.02	0.00	0.02	0.00	498	498	0.02	< 0.005	0.00	499

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	14,592	14,592	14,592	5,107,200	122,940	122,940	122,940	43,029,000

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	14,592	14,592	14,592	5,107,200	122,940	122,940	122,940	43,029,000

5.10. Operational Area Sources

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	3,325,487	1,160,610	7,318

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Office Park	0.00	1.79	0.0000	0.0000	0.00
Research & Development	33,618,000	1.79	0.0000	0.0000	0.00
University/College (4yr)	0.00	1.79	0.0000	0.0000	0.00
General Office Building	0.00	1.79	0.0000	0.0000	0.00
Regional Shopping Center	0.00	1.79	0.0000	0.0000	0.00
Hotel	0.00	1.79	0.0000	0.0000	0.00
Apartments Mid Rise	0.00	1.79	0.0000	0.0000	0.00
Enclosed Parking with Elevator	0.00	1.79	0.0000	0.0000	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Office Park	0.00	1.79	0.0000	0.0000	0.00
Research & Development	33,618,000	1.79	0.0000	0.0000	0.00
University/College (4yr)	0.00	1.79	0.0000	0.0000	0.00
General Office Building	0.00	1.79	0.0000	0.0000	0.00
Regional Shopping Center	0.00	1.79	0.0000	0.0000	0.00
Hotel	0.00	1.79	0.0000	0.0000	0.00
Apartments Mid Rise	0.00	1.79	0.0000	0.0000	0.00
Enclosed Parking with Elevator	0.00	1.79	0.0000	0.0000	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Office Park	0.00	0.00
Research & Development	32,117,800	20,960,000
University/College (4yr)	0.00	3,704,300
General Office Building	0.00	0.00
Regional Shopping Center	0.00	0.00
Hotel	0.00	0.00
Apartments Mid Rise	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)

Office Park	0.00	0.00
Research & Development	32,117,800	20,960,000
University/College (4yr)	0.00	3,704,300
General Office Building	0.00	0.00
Regional Shopping Center	0.00	0.00
Hotel	0.00	0.00
Apartments Mid Rise	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	0.00	—
Research & Development	0.00	—
University/College (4yr)	0.00	—
General Office Building	1,781	—
Regional Shopping Center	0.00	—
Hotel	0.00	—
Apartments Mid Rise	0.00	—
Enclosed Parking with Elevator	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	0.00	—
Research & Development	0.00	—
University/College (4yr)	0.00	—
General Office Building	1,781	—

Regional Shopping Center	0.00	—
Hotel	0.00	—
Apartments Mid Rise	0.00	—
Enclosed Parking with Elevator	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Research & Development	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

Office Park	Chillers	User Defined	630	33.8	1.00	1.00	20.0
Research & Development	Other commercial A/C and heat pumps	User Defined	466	12.1	1.00	1.00	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Research & Development	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Office Park	Chillers	User Defined	630	33.8	1.00	1.00	20.0
Research & Development	Other commercial A/C and heat pumps	User Defined	466	12.1	1.00	1.00	18.0

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	13.0	4.00	150	670	0.73

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	Project in urban environment
Land Use	Office acres include acres for office, R&D, and academic. Active use acres partially shared with R&D acres.
Construction: Construction Phases	Data provided by SKS
Construction: Off-Road Equipment	Data provided by SKS. Accounts for project design feature of Tier 4 engines (equipment greater than 25 HP).
Construction: Dust From Material Movement	Data provided by SKS. Accounts for CBP AIR-2.
Construction: Trips and VMT	Data provided by SKS. Defaults used where project-specific inputs not available.
Construction: Paving	Data provided by SKS
Construction: On-Road Fugitive Dust	Accounts for CBP AIR-2. Silt loading modified per BAAQMD CEQA Guidelines.
Construction: Architectural Coatings	Distributed coating square footages to phases based on buildings constructed in each phase.
Characteristics: Utility Information	Per PG&E's 2023 PCL adjusted to account for RPS. CO2 is CO2e.
Operations: Energy Use	Energy consumption value is for all project land uses (estimates by building type not available). Estimate provided by SKS and accounts for energy efficiency and renewable energy project design elements. No building natural gas consumption.
Operations: Water and Waste Water	Indoor and outdoor water consumption values are for all project land uses (estimates by building type not available). Indoor estimate modeled under R&D land use type. Outdoor water estimate modeled under University land use type. Outdoor intensity factors adjusted to account for use of reclaimed water (no supply). Estimates provided by SKS and account for water efficiency project design elements. Cooling tower water estimate modeled under R&D land use type (outdoor, not reclaimed).
Operations: Solid Waste	Waste generation value is for all project land uses (estimates by building type not available). Estimate provided by SKS and accounts for waste reduction project design elements.

Operations: Refrigerants	Refrigerant quantities for project-wide Centrifugal Chillers and Building A/C Heat Pumps provided by SKS and modeled under Office and R&D land use type. Default pumps from other land use types removed to avoid double counting. Defaults retained for building refrigerators and freezers.
Operations: Generators + Pumps EF	TOG/ROG, NOx, and PM emission factors revised for Tier 4 generator standards per Cal. Code Regs. Tit. 13, § 242 Generator Standards.
Operations: Emergency Generators and Fire Pumps	Data per SKS. 2-4 hr./mo. (testing) (50 annual hours); 100 hrs./year (emergency per BAAQMD) = 150 total annual hours per generator. Added extra generator for R&D.
Operations: Hearths	No hearth
Operations: Architectural Coatings	Exterior coating equal to Alt 1. Interior coating accounts for reduced floor/ceiling slab.

G.1 Existing Conditions

The CalEEMod output presents model inputs and outputs for operational land uses under existing conditions (2024).

Neither total operation nor mobile-source emissions results in the CalEEMod output are adjusted to reflect the June 12, 2025, congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has developed off-model adjustment factors for NO_X, ROG, PM_{10}, and $PM_{2.5}$ that remove the estimated emissions benefits attributed to regulations. Emissions of these pollutants were separately quantified using the project-specific traffic data and emission factors from EMFAC2021 with the off-model adjustments per CARB's guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for mobile sources and the total operational emissions recalculated. Refer to Section H1.1.5 for the off-model calculations.

Moffett Existing Operation Custom Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Moffett Existing Operation
Operational Year	2024
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	28.2
Location	37.40646021370499, -122.05214834788202
County	Santa Clara
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1702
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Manufacturing	7.24	1000sqft	0.17	7,240	0.00	0.00	—	—
Unrefrigerated Warehouse-No Rail	30.1	1000sqft	0.69	30,133	0.00	0.00	—	—

General Office Building	15.7	1000sqft	0.36	15,706	0.00	0.00	—	—

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.19	2.12	0.56	5.88	0.01	0.03	0.67	0.70	0.03	0.17	0.19	49.9	1,060	1,109	5.10	0.08	5.09	1,267
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.76	1.71	0.59	3.39	0.01	0.02	0.67	0.69	0.02	0.17	0.19	49.9	1,005	1,054	5.11	0.09	2.00	1,210
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.94	1.88	0.57	4.29	0.01	0.02	0.63	0.65	0.02	0.16	0.18	49.9	986	1,036	5.10	0.09	3.23	1,192
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.35	0.34	0.10	0.78	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.03	8.26	163	171	0.84	0.01	0.54	197

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.47	0.44	0.31	3.38	0.01	< 0.005	0.67	0.67	< 0.005	0.17	0.17	—	757	757	0.03	0.03	3.17	770

Area	1.70	1.67	0.02	2.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.49	9.49	< 0.005	< 0.005	—	9.53
Energy	0.03	0.01	0.23	0.19	< 0.005	0.02	—	0.02	0.02	—	0.02	—	291	291	0.02	< 0.005	—	292
Water	—	—	—	—	—	—	—	—	—	—	—	21.9	2.03	23.9	2.25	0.05	—	96.0
Waste	—	—	—	—	—	—	—	—	—	—	—	28.0	0.00	28.0	2.80	0.00	—	97.9
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.92	1.92
Total	2.19	2.12	0.56	5.88	0.01	0.03	0.67	0.70	0.03	0.17	0.19	49.9	1,060	1,109	5.10	0.08	5.09	1,267
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.45	0.41	0.37	3.20	0.01	< 0.005	0.67	0.67	< 0.005	0.17	0.17	—	711	711	0.04	0.03	0.08	722
Area	1.29	1.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.03	0.01	0.23	0.19	< 0.005	0.02	—	0.02	0.02	—	0.02	—	291	291	0.02	< 0.005	—	292
Water	—	—	—	—	—	—	—	—	—	—	—	21.9	2.03	23.9	2.25	0.05	—	96.0
Waste	—	—	—	—	—	—	—	—	—	—	—	28.0	0.00	28.0	2.80	0.00	—	97.9
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.92	1.92
Total	1.76	1.71	0.59	3.39	0.01	0.02	0.67	0.69	0.02	0.17	0.19	49.9	1,005	1,054	5.11	0.09	2.00	1,210
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.42	0.39	0.33	2.97	0.01	< 0.005	0.63	0.64	< 0.005	0.16	0.16	—	688	688	0.04	0.03	1.31	699
Area	1.49	1.47	0.01	1.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.68	4.68	< 0.005	< 0.005	—	4.70
Energy	0.03	0.01	0.23	0.19	< 0.005	0.02	—	0.02	0.02	—	0.02	—	291	291	0.02	< 0.005	—	292
Water	—	—	—	—	—	—	—	—	—	—	—	21.9	2.03	23.9	2.25	0.05	—	96.0
Waste	—	—	—	—	—	—	—	—	—	—	—	28.0	0.00	28.0	2.80	0.00	—	97.9
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.92	1.92
Total	1.94	1.88	0.57	4.29	0.01	0.02	0.63	0.65	0.02	0.16	0.18	49.9	986	1,036	5.10	0.09	3.23	1,192
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.08	0.07	0.06	0.54	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.03	—	114	114	0.01	0.01	0.22	116
Area	0.27	0.27	< 0.005	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.78	0.78	< 0.005	< 0.005	—	0.78
Energy	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	48.3	48.3	< 0.005	< 0.005	—	48.4

Water	—	—	—	—	—	—	—	—	—	—	—	3.63	0.34	3.96	0.37	0.01	—	15.9
Waste	—	—	—	—	—	—	—	—	—	—	—	4.63	0.00	4.63	0.46	0.00	—	16.2
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.32	0.32
Total	0.35	0.34	0.10	0.78	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.03	8.26	163	171	0.84	0.01	0.54	197

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	2.16	2.16	0.00	0.00	—	2.16
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	8.27	8.27	0.00	0.00	—	8.27
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	9.11	9.11	0.00	0.00	—	9.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	19.5	19.5	0.00	0.00	—	19.5

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	2.16	2.16	0.00	0.00	—	2.16
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	8.27	8.27	0.00	0.00	—	8.27
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	9.11	9.11	0.00	0.00	—	9.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	19.5	19.5	0.00	0.00	—	19.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	0.36	0.36	0.00	0.00	—	0.36
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1.37	1.37	0.00	0.00	—	1.37
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	1.51	1.51	0.00	0.00	—	1.51
Total	—	—	—	—	—	—	—	—	—	—	—	—	3.24	3.24	0.00	0.00	—	3.24

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	102	102	0.01	< 0.005	—	102

Unrefrig Warehou Rail	< 0.005 e-No	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	50.7	50.7	< 0.005	< 0.005	—	50.9
General Office Building	0.01	0.01	0.10	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	120	120	0.01	< 0.005	—	120
Total	0.03	0.01	0.23	0.19	< 0.005	0.02	—	0.02	0.02	—	0.02	—	272	272	0.02	< 0.005	—	273
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufac turing	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	102	102	0.01	< 0.005	—	102
Unrefrig erated Wareho use-No Rail	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	50.7	50.7	< 0.005	< 0.005	—	50.9
General Office Building	0.01	0.01	0.10	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	120	120	0.01	< 0.005	—	120
Total	0.03	0.01	0.23	0.19	< 0.005	0.02	—	0.02	0.02	—	0.02	—	272	272	0.02	< 0.005	—	273
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufac turing	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.8	16.8	< 0.005	< 0.005	—	16.9
Unrefrig erated Wareho use-No Rail	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.40	8.40	< 0.005	< 0.005	—	8.42
General Office Building	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	19.8	19.8	< 0.005	< 0.005	—	19.8
Total	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	45.0	45.0	< 0.005	< 0.005	—	45.1

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.14	1.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.15	0.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.41	0.38	0.02	2.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.49	9.49	< 0.005	< 0.005	—	9.53
Total	1.70	1.67	0.02	2.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.49	9.49	< 0.005	< 0.005	—	9.53
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.14	1.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.15	0.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	1.29	1.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.21	0.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.04	0.03	< 0.005	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.78	0.78	< 0.005	< 0.005	—	0.78
Total	0.27	0.27	< 0.005	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.78	0.78	< 0.005	< 0.005	—	0.78

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	3.21	0.30	3.51	0.33	0.01	—	14.1
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	13.4	1.24	14.6	1.37	0.03	—	58.5
General Office Building	—	—	—	—	—	—	—	—	—	—	—	5.35	0.50	5.84	0.55	0.01	—	23.4
Total	—	—	—	—	—	—	—	—	—	—	—	21.9	2.03	23.9	2.25	0.05	—	96.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	3.21	0.30	3.51	0.33	0.01	—	14.1

Unrefrigerated Wareho Rail	—	—	—	—	—	—	—	—	—	—	—	13.4	1.24	14.6	1.37	0.03	—	58.5
General Office Building	—	—	—	—	—	—	—	—	—	—	—	5.35	0.50	5.84	0.55	0.01	—	23.4
Total	—	—	—	—	—	—	—	—	—	—	—	21.9	2.03	23.9	2.25	0.05	—	96.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	0.53	0.05	0.58	0.05	< 0.005	—	2.33
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	2.21	0.20	2.42	0.23	0.01	—	9.69
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.89	0.08	0.97	0.09	< 0.005	—	3.88
Total	—	—	—	—	—	—	—	—	—	—	—	3.63	0.34	3.96	0.37	0.01	—	15.9

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	4.84	0.00	4.84	0.48	0.00	—	16.9

Unrefrigerated Warehouse-No	—	—	—	—	—	—	—	—	—	—	—	15.3	0.00	15.3	1.53	0.00	—	53.4
General Office Building	—	—	—	—	—	—	—	—	—	—	—	7.87	0.00	7.87	0.79	0.00	—	27.5
Total	—	—	—	—	—	—	—	—	—	—	—	28.0	0.00	28.0	2.80	0.00	—	97.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	4.84	0.00	4.84	0.48	0.00	—	16.9
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	15.3	0.00	15.3	1.53	0.00	—	53.4
General Office Building	—	—	—	—	—	—	—	—	—	—	—	7.87	0.00	7.87	0.79	0.00	—	27.5
Total	—	—	—	—	—	—	—	—	—	—	—	28.0	0.00	28.0	2.80	0.00	—	97.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	0.80	0.00	0.80	0.08	0.00	—	2.80
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	2.53	0.00	2.53	0.25	0.00	—	8.84
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.30	0.00	1.30	0.13	0.00	—	4.56
Total	—	—	—	—	—	—	—	—	—	—	—	4.63	0.00	4.63	0.46	0.00	—	16.2

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.88	1.88
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.92	1.92
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.88	1.88
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.92	1.92
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.31	0.31
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.32	0.32

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	125	125	125	43,750	950	950	950	332,500

5.10. Operational Area Sources

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	79,619	26,540	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Manufacturing	78,989	10.0	0.0000	0.0000	317,033
Unrefrigerated Warehouse-No Rail	301,867	10.0	0.0000	0.0000	158,327
General Office Building	332,475	10.0	0.0000	0.0000	373,022

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Manufacturing	1,674,250	0.00
Unrefrigerated Warehouse-No Rail	6,968,256	0.00
General Office Building	2,791,486	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Manufacturing	8.98	—
Unrefrigerated Warehouse-No Rail	28.3	—
General Office Building	14.6	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Manufacturing	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

8. User Changes to Default Data

Screen	Justification

Characteristics: Project Details	Project in urban environment
Characteristics: Utility Information	Per PG&E's 2023 PCL adjusted to account for RPS. CO2 is CO2e.

H.1 NEPA No-Action Alternative

The following sections present the CalEEMod model inputs and outputs for operational land uses under the NEPA No-Action Alternative. Emissions were modelled under 2031, 2034, 2037, and 2040 conditions to enable comparison with partial operational emissions for the project under these years.

H1.1 2031 Operation

The CalEEMod output presents model inputs and outputs for operation of the NEPA No-Action Alternative under 2031 conditions.

Neither total operation nor mobile-source emissions results in the CalEEMod output are adjusted to reflect the June 12, 2025, congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has developed off-model adjustment factors for NO_X, ROG, PM_{10}, and $PM_{2.5}$ that remove the estimated emissions benefits attributed to regulations. Emissions of these pollutants were separately quantified using the project-specific traffic data and emission factors from EMFAC2021 with the off-model adjustments per CARB's guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for mobile sources and the total operational emissions recalculated. Refer to Section H1.1.5 for the off-model calculations.

Moffett No Action 2031 Operation Custom Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Moffett No Action 2031 Operation
Operational Year	2031
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	28.2
Location	37.40646021370499, -122.05214834788202
County	Santa Clara
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1702
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Manufacturing	7.24	1000sqft	0.17	7,240	0.00	0.00	—	—
Unrefrigerated Warehouse-No Rail	30.8	1000sqft	0.71	30,773	0.00	0.00	—	—

General Office Building	30.6	1000sqft	0.70	30,612	0.00	0.00	—	—
Recreational Swimming Pool	5.30	1000sqft	0.12	5,296	0.00	0.00	—	—
Research & Development	9.46	1000sqft	0.22	9,460	0.00	0.00	—	—
Hotel	56.9	Room	1.90	82,598	0.00	0.00	—	—
Convenience Market (24 hour)	4.78	1000sqft	0.11	4,784	0.00	0.00	—	—
Health Club	14.8	1000sqft	0.34	14,794	0.00	0.00	—	—

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.90	9.47	3.54	35.9	0.08	0.15	6.97	7.12	0.14	1.77	1.91	164	8,563	8,727	16.9	0.38	1,137	10,401
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.37	8.03	3.85	26.9	0.07	0.13	6.97	7.10	0.13	1.77	1.90	164	8,118	8,282	17.0	0.41	1,124	9,951
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.85	8.48	3.63	28.9	0.07	0.14	6.56	6.70	0.13	1.66	1.80	164	7,918	8,082	17.0	0.38	1,129	9,749
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.61	1.55	0.66	5.27	0.01	0.03	1.20	1.22	0.02	0.30	0.33	27.2	1,311	1,338	2.81	0.06	187	1,614

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.99	3.74	2.22	27.0	0.07	0.04	6.97	7.01	0.03	1.77	1.80	—	6,980	6,980	0.28	0.27	14.2	7,083
Area	5.77	5.66	0.07	7.84	< 0.005	0.01	—	0.01	0.01	—	0.01	—	32.2	32.2	< 0.005	< 0.005	—	32.4
Energy	0.14	0.07	1.26	1.06	0.01	0.10	—	0.10	0.10	—	0.10	—	1,547	1,547	0.13	< 0.005	—	1,551
Water	—	—	—	—	—	—	—	—	—	—	—	41.9	2.77	44.7	4.30	0.10	—	183
Waste	—	—	—	—	—	—	—	—	—	—	—	122	0.00	122	12.2	0.00	—	428
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,123	1,123
Total	9.90	9.47	3.54	35.9	0.08	0.15	6.97	7.12	0.14	1.77	1.91	164	8,563	8,727	16.9	0.38	1,137	10,401
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.86	3.59	2.59	25.8	0.06	0.04	6.97	7.01	0.03	1.77	1.80	—	6,568	6,568	0.32	0.30	0.37	6,666
Area	4.37	4.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.14	0.07	1.26	1.06	0.01	0.10	—	0.10	0.10	—	0.10	—	1,547	1,547	0.13	< 0.005	—	1,551
Water	—	—	—	—	—	—	—	—	—	—	—	41.9	2.77	44.7	4.30	0.10	—	183
Waste	—	—	—	—	—	—	—	—	—	—	—	122	0.00	122	12.2	0.00	—	428
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,123	1,123
Total	8.37	8.03	3.85	26.9	0.07	0.13	6.97	7.10	0.13	1.77	1.90	164	8,118	8,282	17.0	0.41	1,124	9,951
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.65	3.40	2.34	23.9	0.06	0.04	6.56	6.60	0.03	1.66	1.70	—	6,352	6,352	0.29	0.28	5.88	6,448
Area	5.06	5.01	0.03	3.87	< 0.005	0.01	—	0.01	0.01	—	0.01	—	15.9	15.9	< 0.005	< 0.005	—	16.0
Energy	0.14	0.07	1.26	1.06	0.01	0.10	—	0.10	0.10	—	0.10	—	1,547	1,547	0.13	< 0.005	—	1,551
Water	—	—	—	—	—	—	—	—	—	—	—	41.9	2.77	44.7	4.30	0.10	—	183
Waste	—	—	—	—	—	—	—	—	—	—	—	122	0.00	122	12.2	0.00	—	428

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,123	1,123
Total	8.85	8.48	3.63	28.9	0.07	0.14	6.56	6.70	0.13	1.66	1.80	164	7,918	8,082	17.0	0.38	1,129	9,749
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.67	0.62	0.43	4.37	0.01	0.01	1.20	1.20	0.01	0.30	0.31	—	1,052	1,052	0.05	0.05	0.97	1,068
Area	0.92	0.91	0.01	0.71	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.63	2.63	< 0.005	< 0.005	—	2.64
Energy	0.03	0.01	0.23	0.19	< 0.005	0.02	—	0.02	0.02	—	0.02	—	256	256	0.02	< 0.005	—	257
Water	—	—	—	—	—	—	—	—	—	—	—	6.94	0.46	7.40	0.71	0.02	—	30.2
Waste	—	—	—	—	—	—	—	—	—	—	—	20.3	0.00	20.3	2.03	0.00	—	70.9
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	186	186
Total	1.61	1.55	0.66	5.27	0.01	0.03	1.20	1.22	0.02	0.30	0.33	27.2	1,311	1,338	2.81	0.06	187	1,614

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	1.55	1.55	0.00	0.00	—	1.55

Unrefrigerated Warehouse-No	—	—	—	—	—	—	—	—	—	—	—	—	6.03	6.03	0.00	0.00	—	6.03
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	12.7	12.7	0.00	0.00	—	12.7
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	3.92	3.92	0.00	0.00	—	3.92
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	10.7	10.7	0.00	0.00	—	10.7
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	4.82	4.82	0.00	0.00	—	4.82
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	3.16	3.16	0.00	0.00	—	3.16
Total	—	—	—	—	—	—	—	—	—	—	—	—	42.8	42.8	0.00	0.00	—	42.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	1.55	1.55	0.00	0.00	—	1.55
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	6.03	6.03	0.00	0.00	—	6.03
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	12.7	12.7	0.00	0.00	—	12.7

Recreational	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	3.92	3.92	0.00	0.00	—	3.92
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	10.7	10.7	0.00	0.00	—	10.7
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	4.82	4.82	0.00	0.00	—	4.82
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	3.16	3.16	0.00	0.00	—	3.16
Total	—	—	—	—	—	—	—	—	—	—	—	—	42.8	42.8	0.00	0.00	—	42.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26	0.00	0.00	—	0.26
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1.00	1.00	0.00	0.00	—	1.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	2.10	2.10	0.00	0.00	—	2.10
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	0.65	0.65	0.00	0.00	—	0.65
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	1.77	1.77	0.00	0.00	—	1.77

Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	0.80	0.80	0.00	0.00	—	0.80
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	0.52	0.52	0.00	0.00	—	0.52
Total	—	—	—	—	—	—	—	—	—	—	—	—	7.09	7.09	0.00	0.00	—	7.09

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	102	102	0.01	< 0.005	—	102
Unrefrigerated Warehouse-No Rail	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	51.8	51.8	< 0.005	< 0.005	—	52.0
General Office Building	0.02	0.01	0.20	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	233	233	0.02	< 0.005	—	234
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	72.0	72.0	0.01	< 0.005	—	72.2
Hotel	0.07	0.04	0.67	0.56	< 0.005	0.05	—	0.05	0.05	—	0.05	—	797	797	0.07	< 0.005	—	799

Conveni Market (24 hour)	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.5	41.5	< 0.005	< 0.005	—	41.6
Health Club	0.02	0.01	0.17	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	208	208	0.02	< 0.005	—	208
Total	0.14	0.07	1.26	1.06	0.01	0.10	—	0.10	0.10	—	0.10	—	1,504	1,504	0.13	< 0.005	—	1,508
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufac turing	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	102	102	0.01	< 0.005	—	102
Unrefrig erated Wareho use-No Rail	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	51.8	51.8	< 0.005	< 0.005	—	52.0
General Office Building	0.02	0.01	0.20	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	233	233	0.02	< 0.005	—	234
Recreati onal Swimmi ng Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Researc h & Developm ent	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	72.0	72.0	0.01	< 0.005	—	72.2
Hotel	0.07	0.04	0.67	0.56	< 0.005	0.05	—	0.05	0.05	—	0.05	—	797	797	0.07	< 0.005	—	799
Conveni ence Market (24 hour)	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.5	41.5	< 0.005	< 0.005	—	41.6
Health Club	0.02	0.01	0.17	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	208	208	0.02	< 0.005	—	208
Total	0.14	0.07	1.26	1.06	0.01	0.10	—	0.10	0.10	—	0.10	—	1,504	1,504	0.13	< 0.005	—	1,508
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Manufac	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.8	16.8	< 0.005	< 0.005	—	16.9
Unrefrigerated Warehouse-No Rail	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.58	8.58	< 0.005	< 0.005	—	8.60
General Office Building	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	38.6	38.6	< 0.005	< 0.005	—	38.7
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.9	11.9	< 0.005	< 0.005	—	12.0
Hotel	0.01	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	132	132	0.01	< 0.005	—	132
Convenience Market (24 hour)	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.87	6.87	< 0.005	< 0.005	—	6.89
Health Club	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	34.4	34.4	< 0.005	< 0.005	—	34.5
Total	0.03	0.01	0.23	0.19	< 0.005	0.02	—	0.02	0.02	—	0.02	—	249	249	0.02	< 0.005	—	250

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consum Products	3.86	3.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.52	0.52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.40	1.29	0.07	7.84	< 0.005	0.01	—	0.01	0.01	—	0.01	—	32.2	32.2	< 0.005	< 0.005	—	32.4
Total	5.77	5.66	0.07	7.84	< 0.005	0.01	—	0.01	0.01	—	0.01	—	32.2	32.2	< 0.005	< 0.005	—	32.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.86	3.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.52	0.52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	4.37	4.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.70	0.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.09	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.13	0.12	0.01	0.71	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.63	2.63	< 0.005	< 0.005	—	2.64
Total	0.92	0.91	0.01	0.71	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.63	2.63	< 0.005	< 0.005	—	2.64

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	3.21	0.21	3.42	0.33	0.01	—	14.0
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	13.6	0.90	14.5	1.40	0.03	—	59.4
General Office Building	—	—	—	—	—	—	—	—	—	—	—	10.4	0.69	11.1	1.07	0.03	—	45.4
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.60	0.04	0.64	0.06	< 0.005	—	2.61
Research & Development	—	—	—	—	—	—	—	—	—	—	—	8.91	0.59	9.50	0.91	0.02	—	38.8
Hotel	—	—	—	—	—	—	—	—	—	—	—	2.77	0.18	2.95	0.28	0.01	—	12.0
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	0.68	0.04	0.72	0.07	< 0.005	—	2.96
Health Club	—	—	—	—	—	—	—	—	—	—	—	1.68	0.11	1.79	0.17	< 0.005	—	7.30
Total	—	—	—	—	—	—	—	—	—	—	—	41.9	2.77	44.7	4.30	0.10	—	183

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	3.21	0.21	3.42	0.33	0.01	—	14.0
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	13.6	0.90	14.5	1.40	0.03	—	59.4
General Office Building	—	—	—	—	—	—	—	—	—	—	—	10.4	0.69	11.1	1.07	0.03	—	45.4
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.60	0.04	0.64	0.06	< 0.005	—	2.61
Research & Development	—	—	—	—	—	—	—	—	—	—	—	8.91	0.59	9.50	0.91	0.02	—	38.8
Hotel	—	—	—	—	—	—	—	—	—	—	—	2.77	0.18	2.95	0.28	0.01	—	12.0
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	0.68	0.04	0.72	0.07	< 0.005	—	2.96
Health Club	—	—	—	—	—	—	—	—	—	—	—	1.68	0.11	1.79	0.17	< 0.005	—	7.30
Total	—	—	—	—	—	—	—	—	—	—	—	41.9	2.77	44.7	4.30	0.10	—	183
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	0.53	0.04	0.57	0.05	< 0.005	—	2.31
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	2.26	0.15	2.41	0.23	0.01	—	9.83

General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.73	0.11	1.84	0.18	< 0.005	—	7.52
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.10	0.01	0.11	0.01	< 0.005	—	0.43
Research & Development	—	—	—	—	—	—	—	—	—	—	—	1.48	0.10	1.57	0.15	< 0.005	—	6.43
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.46	0.03	0.49	0.05	< 0.005	—	1.99
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	0.11	0.01	0.12	0.01	< 0.005	—	0.49
Health Club	—	—	—	—	—	—	—	—	—	—	—	0.28	0.02	0.30	0.03	< 0.005	—	1.21
Total	—	—	—	—	—	—	—	—	—	—	—	6.94	0.46	7.40	0.71	0.02	—	30.2

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	4.84	0.00	4.84	0.48	0.00	—	16.9

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	15.6	0.00	15.6	1.56	0.00	—	54.5
General Office Building	—	—	—	—	—	—	—	—	—	—	—	15.3	0.00	15.3	1.53	0.00	—	53.7
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	16.3	0.00	16.3	1.63	0.00	—	56.9
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.39	0.00	0.39	0.04	0.00	—	1.36
Hotel	—	—	—	—	—	—	—	—	—	—	—	16.8	0.00	16.8	1.68	0.00	—	58.7
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	7.75	0.00	7.75	0.77	0.00	—	27.1
Health Club	—	—	—	—	—	—	—	—	—	—	—	45.4	0.00	45.4	4.54	0.00	—	159
Total	—	—	—	—	—	—	—	—	—	—	—	122	0.00	122	12.2	0.00	—	428
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	4.84	0.00	4.84	0.48	0.00	—	16.9
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	15.6	0.00	15.6	1.56	0.00	—	54.5
General Office Building	—	—	—	—	—	—	—	—	—	—	—	15.3	0.00	15.3	1.53	0.00	—	53.7

Recreati Swimmin Pool	—	—	—	—	—	—	—	—	—	—	—	16.3	0.00	16.3	1.63	0.00	—	56.9
Researc h & Developm ent	—	—	—	—	—	—	—	—	—	—	—	0.39	0.00	0.39	0.04	0.00	—	1.36
Hotel	—	—	—	—	—	—	—	—	—	—	—	16.8	0.00	16.8	1.68	0.00	—	58.7
Conveni ence Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	7.75	0.00	7.75	0.77	0.00	—	27.1
Health Club	—	—	—	—	—	—	—	—	—	—	—	45.4	0.00	45.4	4.54	0.00	—	159
Total	—	—	—	—	—	—	—	—	—	—	—	122	0.00	122	12.2	0.00	—	428
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufac turing	—	—	—	—	—	—	—	—	—	—	—	0.80	0.00	0.80	0.08	0.00	—	2.80
Unrefrig erated Wareho use-No Rail	—	—	—	—	—	—	—	—	—	—	—	2.58	0.00	2.58	0.26	0.00	—	9.03
General Office Building	—	—	—	—	—	—	—	—	—	—	—	2.54	0.00	2.54	0.25	0.00	—	8.89
Recreati onal Swimmi ng Pool	—	—	—	—	—	—	—	—	—	—	—	2.69	0.00	2.69	0.27	0.00	—	9.42
Researc h & Developm ent	—	—	—	—	—	—	—	—	—	—	—	0.06	0.00	0.06	0.01	0.00	—	0.22
Hotel	—	—	—	—	—	—	—	—	—	—	—	2.78	0.00	2.78	0.28	0.00	—	9.72

Convenience	—	—	—	—	—	—	—	—	—	—	—	1.28	0.00	1.28	0.13	0.00	—	4.49
Health Club	—	—	—	—	—	—	—	—	—	—	—	7.52	0.00	7.52	0.75	0.00	—	26.3
Total	—	—	—	—	—	—	—	—	—	—	—	20.3	0.00	20.3	2.03	0.00	—	70.9

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.88	1.88
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	129	129
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	992	992

Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,123	1,123
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.88	1.88
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	129	129
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	992	992
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,123	1,123
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.31	0.31
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01

Recreational Swimming	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.4	21.4
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	164	164
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	186	186

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	1,496	1,496	1,496	523,600	9,880	9,880	9,880	3,458,000

5.10. Operational Area Sources

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	270,392	90,131	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Manufacturing	78,989	7.14	0.0000	0.0000	317,033
Unrefrigerated Warehouse-No Rail	308,278	7.14	0.0000	0.0000	161,690
General Office Building	648,014	7.14	0.0000	0.0000	727,044
Recreational Swimming Pool	0.00	7.14	0.0000	0.0000	0.00
Research & Development	200,255	7.14	0.0000	0.0000	224,678
Hotel	545,959	7.14	0.0000	0.0000	2,485,957
Convenience Market (24 hour)	246,323	7.14	0.0000	0.0000	129,555
Health Club	161,405	7.14	0.0000	0.0000	647,816

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Manufacturing	1,674,250	0.00
Unrefrigerated Warehouse-No Rail	7,116,256	0.00
General Office Building	5,440,785	0.00
Recreational Swimming Pool	313,222	0.00

Research & Development	4,651,425	0.00
Hotel	1,443,006	0.00
Convenience Market (24 hour)	354,363	0.00
Health Club	874,964	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Manufacturing	8.98	—
Unrefrigerated Warehouse-No Rail	28.9	—
General Office Building	28.5	—
Recreational Swimming Pool	30.2	—
Research & Development	0.72	—
Hotel	31.1	—
Convenience Market (24 hour)	14.4	—
Health Club	84.3	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Manufacturing	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Research & Development	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
Research & Development	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Convenience Market (24 hour)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Convenience Market (24 hour)	Supermarket refrigeration and condensing units	R-404A	3,922	26.5	16.5	16.5	18.0
Health Club	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Health Club	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	Project in urban environment
Characteristics: Utility Information	Per PG&E's 2023 PCL adjusted to account for RPS. CO2 is CO2e.

H1.2 2034 Operation

The CalEEMod output presents model inputs and outputs for operation of the NEPA No-Action Alternative under 2034 conditions.

Neither total operation nor mobile-source emissions results in the CalEEMod output are adjusted to reflect the June 12, 2025, congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has developed off-model adjustment factors for NO_X, ROG, PM_{10}, and $PM_{2.5}$ that remove the estimated emissions benefits attributed to regulations. Emissions of these pollutants were separately quantified using the project-specific traffic data and emission factors from EMFAC2021 with the off-model adjustments per CARB's guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for mobile sources and the total operational emissions recalculated. Refer to Section H1.1.5 for the off-model calculations.

Moffett No Action 2034 Operation Custom Report

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5.14.1. Unmitigated

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Moffett No Action 2034 Operation
Operational Year	2034
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	28.2
Location	37.40646021370499, -122.05214834788202
County	Santa Clara
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1702
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Manufacturing	7.24	1000sqft	0.17	7,240	0.00	0.00	—	—
Unrefrigerated Warehouse-No Rail	30.8	1000sqft	0.71	30,773	0.00	0.00	—	—

General Office Building	30.6	1000sqft	0.70	30,612	0.00	0.00	—	—
Recreational Swimming Pool	5.30	1000sqft	0.12	5,296	0.00	0.00	—	—
Research & Development	9.46	1000sqft	0.22	9,460	0.00	0.00	—	—
Hotel	56.9	Room	1.90	82,598	0.00	0.00	—	—
Convenience Market (24 hour)	4.78	1000sqft	0.11	4,784	0.00	0.00	—	—
Health Club	14.8	1000sqft	0.34	14,794	0.00	0.00	—	—

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.56	9.16	3.29	34.1	0.07	0.14	6.97	7.11	0.14	1.77	1.90	164	8,285	8,449	16.9	0.36	1,132	10,112
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.06	7.75	3.56	25.0	0.07	0.13	6.97	7.10	0.13	1.77	1.89	164	7,854	8,019	16.9	0.39	1,123	9,681
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.56	8.21	3.37	27.2	0.07	0.13	6.56	6.69	0.13	1.66	1.79	164	7,663	7,828	16.9	0.37	1,127	9,487
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.56	1.50	0.61	4.96	0.01	0.02	1.20	1.22	0.02	0.30	0.33	27.2	1,269	1,296	2.80	0.06	187	1,571

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.66	3.43	1.97	25.2	0.07	0.03	6.97	7.00	0.03	1.77	1.80	—	6,702	6,702	0.25	0.26	9.01	6,794
Area	5.77	5.66	0.07	7.84	< 0.005	0.01	—	0.01	0.01	—	0.01	—	32.2	32.2	< 0.005	< 0.005	—	32.4
Energy	0.14	0.07	1.26	1.06	0.01	0.10	—	0.10	0.10	—	0.10	—	1,547	1,547	0.13	< 0.005	—	1,551
Water	—	—	—	—	—	—	—	—	—	—	—	41.9	2.77	44.7	4.30	0.10	—	183
Waste	—	—	—	—	—	—	—	—	—	—	—	122	0.00	122	12.2	0.00	—	428
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,123	1,123
Total	9.56	9.16	3.29	34.1	0.07	0.14	6.97	7.11	0.14	1.77	1.90	164	8,285	8,449	16.9	0.36	1,132	10,112
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.55	3.31	2.30	23.9	0.06	0.03	6.97	7.00	0.03	1.77	1.80	—	6,304	6,304	0.29	0.28	0.23	6,396
Area	4.37	4.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.14	0.07	1.26	1.06	0.01	0.10	—	0.10	0.10	—	0.10	—	1,547	1,547	0.13	< 0.005	—	1,551
Water	—	—	—	—	—	—	—	—	—	—	—	41.9	2.77	44.7	4.30	0.10	—	183
Waste	—	—	—	—	—	—	—	—	—	—	—	122	0.00	122	12.2	0.00	—	428
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,123	1,123
Total	8.06	7.75	3.56	25.0	0.07	0.13	6.97	7.10	0.13	1.77	1.89	164	7,854	8,019	16.9	0.39	1,123	9,681
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.36	3.14	2.08	22.2	0.06	0.03	6.56	6.59	0.03	1.66	1.69	—	6,097	6,097	0.26	0.26	3.73	6,185
Area	5.06	5.01	0.03	3.87	< 0.005	0.01	—	0.01	0.01	—	0.01	—	15.9	15.9	< 0.005	< 0.005	—	16.0
Energy	0.14	0.07	1.26	1.06	0.01	0.10	—	0.10	0.10	—	0.10	—	1,547	1,547	0.13	< 0.005	—	1,551
Water	—	—	—	—	—	—	—	—	—	—	—	41.9	2.77	44.7	4.30	0.10	—	183
Waste	—	—	—	—	—	—	—	—	—	—	—	122	0.00	122	12.2	0.00	—	428

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,123	1,123
Total	8.56	8.21	3.37	27.2	0.07	0.13	6.56	6.69	0.13	1.66	1.79	164	7,663	7,828	16.9	0.37	1,127	9,487
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.61	0.57	0.38	4.06	0.01	0.01	1.20	1.20	0.01	0.30	0.31	—	1,009	1,009	0.04	0.04	0.62	1,024
Area	0.92	0.91	0.01	0.71	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.63	2.63	< 0.005	< 0.005	—	2.64
Energy	0.03	0.01	0.23	0.19	< 0.005	0.02	—	0.02	0.02	—	0.02	—	256	256	0.02	< 0.005	—	257
Water	—	—	—	—	—	—	—	—	—	—	—	6.94	0.46	7.40	0.71	0.02	—	30.2
Waste	—	—	—	—	—	—	—	—	—	—	—	20.3	0.00	20.3	2.03	0.00	—	70.9
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	186	186
Total	1.56	1.50	0.61	4.96	0.01	0.02	1.20	1.22	0.02	0.30	0.33	27.2	1,269	1,296	2.80	0.06	187	1,571

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	1.55	1.55	0.00	0.00	—	1.55

Unrefrigerated Warehouse-No	—	—	—	—	—	—	—	—	—	—	—	—	6.03	6.03	0.00	0.00	—	6.03
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	12.7	12.7	0.00	0.00	—	12.7
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	3.92	3.92	0.00	0.00	—	3.92
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	10.7	10.7	0.00	0.00	—	10.7
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	4.82	4.82	0.00	0.00	—	4.82
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	3.16	3.16	0.00	0.00	—	3.16
Total	—	—	—	—	—	—	—	—	—	—	—	—	42.8	42.8	0.00	0.00	—	42.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	1.55	1.55	0.00	0.00	—	1.55
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	6.03	6.03	0.00	0.00	—	6.03
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	12.7	12.7	0.00	0.00	—	12.7

Recreational	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	3.92	3.92	0.00	0.00	—	3.92
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	10.7	10.7	0.00	0.00	—	10.7
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	4.82	4.82	0.00	0.00	—	4.82
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	3.16	3.16	0.00	0.00	—	3.16
Total	—	—	—	—	—	—	—	—	—	—	—	—	42.8	42.8	0.00	0.00	—	42.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26	0.00	0.00	—	0.26
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1.00	1.00	0.00	0.00	—	1.00
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	2.10	2.10	0.00	0.00	—	2.10
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	0.65	0.65	0.00	0.00	—	0.65
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	1.77	1.77	0.00	0.00	—	1.77

Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	0.80	0.80	0.00	0.00	—	0.80
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	0.52	0.52	0.00	0.00	—	0.52
Total	—	—	—	—	—	—	—	—	—	—	—	—	7.09	7.09	0.00	0.00	—	7.09

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	102	102	0.01	< 0.005	—	102
Unrefrigerated Warehouse-No Rail	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	51.8	51.8	< 0.005	< 0.005	—	52.0
General Office Building	0.02	0.01	0.20	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	233	233	0.02	< 0.005	—	234
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	72.0	72.0	0.01	< 0.005	—	72.2
Hotel	0.07	0.04	0.67	0.56	< 0.005	0.05	—	0.05	0.05	—	0.05	—	797	797	0.07	< 0.005	—	799

Convenience Market (24 hour)	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.5	41.5	< 0.005	< 0.005	—	41.6
Health Club	0.02	0.01	0.17	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	208	208	0.02	< 0.005	—	208
Total	0.14	0.07	1.26	1.06	0.01	0.10	—	0.10	0.10	—	0.10	—	1,504	1,504	0.13	< 0.005	—	1,508
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	102	102	0.01	< 0.005	—	102
Unrefrigerated Warehouse-No Rail	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	51.8	51.8	< 0.005	< 0.005	—	52.0
General Office Building	0.02	0.01	0.20	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	233	233	0.02	< 0.005	—	234
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	72.0	72.0	0.01	< 0.005	—	72.2
Hotel	0.07	0.04	0.67	0.56	< 0.005	0.05	—	0.05	0.05	—	0.05	—	797	797	0.07	< 0.005	—	799
Convenience Market (24 hour)	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.5	41.5	< 0.005	< 0.005	—	41.6
Health Club	0.02	0.01	0.17	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	208	208	0.02	< 0.005	—	208
Total	0.14	0.07	1.26	1.06	0.01	0.10	—	0.10	0.10	—	0.10	—	1,504	1,504	0.13	< 0.005	—	1,508
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Manufac	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.8	16.8	< 0.005	< 0.005	—	16.9
Unrefrigerated Warehouse-No Rail	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.58	8.58	< 0.005	< 0.005	—	8.60
General Office Building	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	38.6	38.6	< 0.005	< 0.005	—	38.7
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.9	11.9	< 0.005	< 0.005	—	12.0
Hotel	0.01	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	132	132	0.01	< 0.005	—	132
Convenience Market (24 hour)	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.87	6.87	< 0.005	< 0.005	—	6.89
Health Club	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	34.4	34.4	< 0.005	< 0.005	—	34.5
Total	0.03	0.01	0.23	0.19	< 0.005	0.02	—	0.02	0.02	—	0.02	—	249	249	0.02	< 0.005	—	250

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consum Products	3.86	3.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.52	0.52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.40	1.29	0.07	7.84	< 0.005	0.01	—	0.01	0.01	—	0.01	—	32.2	32.2	< 0.005	< 0.005	—	32.4
Total	5.77	5.66	0.07	7.84	< 0.005	0.01	—	0.01	0.01	—	0.01	—	32.2	32.2	< 0.005	< 0.005	—	32.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.86	3.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.52	0.52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	4.37	4.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.70	0.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.09	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.13	0.12	0.01	0.71	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.63	2.63	< 0.005	< 0.005	—	2.64
Total	0.92	0.91	0.01	0.71	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.63	2.63	< 0.005	< 0.005	—	2.64

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	3.21	0.21	3.42	0.33	0.01	—	14.0
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	13.6	0.90	14.5	1.40	0.03	—	59.4
General Office Building	—	—	—	—	—	—	—	—	—	—	—	10.4	0.69	11.1	1.07	0.03	—	45.4
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.60	0.04	0.64	0.06	< 0.005	—	2.61
Research & Development	—	—	—	—	—	—	—	—	—	—	—	8.91	0.59	9.50	0.91	0.02	—	38.8
Hotel	—	—	—	—	—	—	—	—	—	—	—	2.77	0.18	2.95	0.28	0.01	—	12.0
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	0.68	0.04	0.72	0.07	< 0.005	—	2.96
Health Club	—	—	—	—	—	—	—	—	—	—	—	1.68	0.11	1.79	0.17	< 0.005	—	7.30
Total	—	—	—	—	—	—	—	—	—	—	—	41.9	2.77	44.7	4.30	0.10	—	183

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	3.21	0.21	3.42	0.33	0.01	—	14.0
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	13.6	0.90	14.5	1.40	0.03	—	59.4
General Office Building	—	—	—	—	—	—	—	—	—	—	—	10.4	0.69	11.1	1.07	0.03	—	45.4
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.60	0.04	0.64	0.06	< 0.005	—	2.61
Research & Development	—	—	—	—	—	—	—	—	—	—	—	8.91	0.59	9.50	0.91	0.02	—	38.8
Hotel	—	—	—	—	—	—	—	—	—	—	—	2.77	0.18	2.95	0.28	0.01	—	12.0
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	0.68	0.04	0.72	0.07	< 0.005	—	2.96
Health Club	—	—	—	—	—	—	—	—	—	—	—	1.68	0.11	1.79	0.17	< 0.005	—	7.30
Total	—	—	—	—	—	—	—	—	—	—	—	41.9	2.77	44.7	4.30	0.10	—	183
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	0.53	0.04	0.57	0.05	< 0.005	—	2.31
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	2.26	0.15	2.41	0.23	0.01	—	9.83

General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.73	0.11	1.84	0.18	< 0.005	—	7.52
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.10	0.01	0.11	0.01	< 0.005	—	0.43
Research & Development	—	—	—	—	—	—	—	—	—	—	—	1.48	0.10	1.57	0.15	< 0.005	—	6.43
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.46	0.03	0.49	0.05	< 0.005	—	1.99
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	0.11	0.01	0.12	0.01	< 0.005	—	0.49
Health Club	—	—	—	—	—	—	—	—	—	—	—	0.28	0.02	0.30	0.03	< 0.005	—	1.21
Total	—	—	—	—	—	—	—	—	—	—	—	6.94	0.46	7.40	0.71	0.02	—	30.2

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	4.84	0.00	4.84	0.48	0.00	—	16.9

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	15.6	0.00	15.6	1.56	0.00	—	54.5
General Office Building	—	—	—	—	—	—	—	—	—	—	—	15.3	0.00	15.3	1.53	0.00	—	53.7
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	16.3	0.00	16.3	1.63	0.00	—	56.9
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.39	0.00	0.39	0.04	0.00	—	1.36
Hotel	—	—	—	—	—	—	—	—	—	—	—	16.8	0.00	16.8	1.68	0.00	—	58.7
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	7.75	0.00	7.75	0.77	0.00	—	27.1
Health Club	—	—	—	—	—	—	—	—	—	—	—	45.4	0.00	45.4	4.54	0.00	—	159
Total	—	—	—	—	—	—	—	—	—	—	—	122	0.00	122	12.2	0.00	—	428
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	4.84	0.00	4.84	0.48	0.00	—	16.9
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	15.6	0.00	15.6	1.56	0.00	—	54.5
General Office Building	—	—	—	—	—	—	—	—	—	—	—	15.3	0.00	15.3	1.53	0.00	—	53.7

Recreati Swimmin Pool	—	—	—	—	—	—	—	—	—	—	—	16.3	0.00	16.3	1.63	0.00	—	56.9
Researc h & Developm ent	—	—	—	—	—	—	—	—	—	—	—	0.39	0.00	0.39	0.04	0.00	—	1.36
Hotel	—	—	—	—	—	—	—	—	—	—	—	16.8	0.00	16.8	1.68	0.00	—	58.7
Conveni ence Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	7.75	0.00	7.75	0.77	0.00	—	27.1
Health Club	—	—	—	—	—	—	—	—	—	—	—	45.4	0.00	45.4	4.54	0.00	—	159
Total	—	—	—	—	—	—	—	—	—	—	—	122	0.00	122	12.2	0.00	—	428
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufac turing	—	—	—	—	—	—	—	—	—	—	—	0.80	0.00	0.80	0.08	0.00	—	2.80
Unrefrig erated Wareho use-No Rail	—	—	—	—	—	—	—	—	—	—	—	2.58	0.00	2.58	0.26	0.00	—	9.03
General Office Building	—	—	—	—	—	—	—	—	—	—	—	2.54	0.00	2.54	0.25	0.00	—	8.89
Recreati onal Swimmi ng Pool	—	—	—	—	—	—	—	—	—	—	—	2.69	0.00	2.69	0.27	0.00	—	9.42
Researc h & Developm ent	—	—	—	—	—	—	—	—	—	—	—	0.06	0.00	0.06	0.01	0.00	—	0.22
Hotel	—	—	—	—	—	—	—	—	—	—	—	2.78	0.00	2.78	0.28	0.00	—	9.72

Convenience	—	—	—	—	—	—	—	—	—	—	—	1.28	0.00	1.28	0.13	0.00	—	4.49
Health Club	—	—	—	—	—	—	—	—	—	—	—	7.52	0.00	7.52	0.75	0.00	—	26.3
Total	—	—	—	—	—	—	—	—	—	—	—	20.3	0.00	20.3	2.03	0.00	—	70.9

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.88	1.88
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	129	129
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	992	992

Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,123	1,123
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.88	1.88
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	129	129
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	992	992
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,123	1,123
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.31	0.31
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01

Recreational Swimming	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.4	21.4
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	164	164
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	186	186

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	1,496	1,496	1,496	523,600	9,880	9,880	9,880	3,458,000

5.10. Operational Area Sources

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	270,392	90,131	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Manufacturing	78,989	7.14	0.0000	0.0000	317,033
Unrefrigerated Warehouse-No Rail	308,278	7.14	0.0000	0.0000	161,690
General Office Building	648,014	7.14	0.0000	0.0000	727,044
Recreational Swimming Pool	0.00	7.14	0.0000	0.0000	0.00
Research & Development	200,255	7.14	0.0000	0.0000	224,678
Hotel	545,959	7.14	0.0000	0.0000	2,485,957
Convenience Market (24 hour)	246,323	7.14	0.0000	0.0000	129,555
Health Club	161,405	7.14	0.0000	0.0000	647,816

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Manufacturing	1,674,250	0.00
Unrefrigerated Warehouse-No Rail	7,116,256	0.00
General Office Building	5,440,785	0.00
Recreational Swimming Pool	313,222	0.00

Research & Development	4,651,425	0.00
Hotel	1,443,006	0.00
Convenience Market (24 hour)	354,363	0.00
Health Club	874,964	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Manufacturing	8.98	—
Unrefrigerated Warehouse-No Rail	28.9	—
General Office Building	28.5	—
Recreational Swimming Pool	30.2	—
Research & Development	0.72	—
Hotel	31.1	—
Convenience Market (24 hour)	14.4	—
Health Club	84.3	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Manufacturing	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Research & Development	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
Research & Development	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Convenience Market (24 hour)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Convenience Market (24 hour)	Supermarket refrigeration and condensing units	R-404A	3,922	26.5	16.5	16.5	18.0
Health Club	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Health Club	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	Project in urban environment
Characteristics: Utility Information	Per PG&E's 2023 PCL adjusted to account for RPS. CO2 is CO2e.

H1.3 2037 Operation

The CalEEMod output presents model inputs and outputs for operation of the NEPA No-Action Alternative under 2037 conditions.

Neither total operation nor mobile-source emissions results in the CalEEMod output are adjusted to reflect the June 12, 2025, congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has developed off-model adjustment factors for NO_X, ROG, PM_{10}, and $PM_{2.5}$ that remove the estimated emissions benefits attributed to regulations. Emissions of these pollutants were separately quantified using the project-specific traffic data and emission factors from EMFAC2021 with the off-model adjustments per CARB's guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for mobile sources and the total operational emissions recalculated. Refer to Section H1.1.5 for the off-model calculations.

Moffett No Action 2037 Operation Custom Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Moffett No Action 2037 Operation
Operational Year	2037
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	28.2
Location	37.40646021370499, -122.05214834788202
County	Santa Clara
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1702
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Manufacturing	7.24	1000sqft	0.17	7,240	0.00	0.00	—	—
Unrefrigerated Warehouse-No Rail	30.8	1000sqft	0.71	30,773	0.00	0.00	—	—

General Office Building	30.6	1000sqft	0.70	30,612	0.00	0.00	—	—
Recreational Swimming Pool	5.30	1000sqft	0.12	5,296	0.00	0.00	—	—
Research & Development	9.46	1000sqft	0.22	9,460	0.00	0.00	—	—
Hotel	56.9	Room	1.90	82,598	0.00	0.00	—	—
Convenience Market (24 hour)	4.78	1000sqft	0.11	4,784	0.00	0.00	—	—
Health Club	14.8	1000sqft	0.34	14,794	0.00	0.00	—	—

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.34	8.95	3.12	32.8	0.07	0.14	6.97	7.11	0.13	1.77	1.90	164	8,039	8,203	16.9	0.35	1,129	9,858
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.85	7.57	3.37	23.6	0.07	0.12	6.97	7.09	0.12	1.77	1.89	164	7,618	7,782	16.9	0.37	1,123	9,439
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.36	8.04	3.19	26.0	0.07	0.13	6.56	6.69	0.13	1.66	1.79	164	7,434	7,598	16.9	0.35	1,125	9,251
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.53	1.47	0.58	4.74	0.01	0.02	1.20	1.22	0.02	0.30	0.33	27.2	1,231	1,258	2.80	0.06	186	1,532

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.43	3.22	1.80	23.9	0.06	0.03	6.97	7.00	0.03	1.77	1.79	—	6,491	6,491	0.23	0.24	5.44	6,574
Area	5.77	5.66	0.07	7.84	< 0.005	0.01	—	0.01	0.01	—	0.01	—	32.2	32.2	< 0.005	< 0.005	—	32.4
Energy	0.14	0.07	1.26	1.06	0.01	0.10	—	0.10	0.10	—	0.10	—	1,515	1,515	0.13	< 0.005	—	1,519
Water	—	—	—	—	—	—	—	—	—	—	—	41.9	0.69	42.6	4.30	0.10	—	180
Waste	—	—	—	—	—	—	—	—	—	—	—	122	0.00	122	12.2	0.00	—	428
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,123	1,123
Total	9.34	8.95	3.12	32.8	0.07	0.14	6.97	7.11	0.13	1.77	1.90	164	8,039	8,203	16.9	0.35	1,129	9,858
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.34	3.12	2.11	22.6	0.06	0.03	6.97	7.00	0.03	1.77	1.79	—	6,102	6,102	0.26	0.27	0.14	6,188
Area	4.37	4.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.14	0.07	1.26	1.06	0.01	0.10	—	0.10	0.10	—	0.10	—	1,515	1,515	0.13	< 0.005	—	1,519
Water	—	—	—	—	—	—	—	—	—	—	—	41.9	0.69	42.6	4.30	0.10	—	180
Waste	—	—	—	—	—	—	—	—	—	—	—	122	0.00	122	12.2	0.00	—	428
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,123	1,123
Total	7.85	7.57	3.37	23.6	0.07	0.12	6.97	7.09	0.12	1.77	1.89	164	7,618	7,782	16.9	0.37	1,123	9,439
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.16	2.96	1.90	21.1	0.06	0.03	6.56	6.59	0.02	1.66	1.69	—	5,902	5,902	0.24	0.25	2.25	5,984
Area	5.06	5.01	0.03	3.87	< 0.005	0.01	—	0.01	0.01	—	0.01	—	15.9	15.9	< 0.005	< 0.005	—	16.0
Energy	0.14	0.07	1.26	1.06	0.01	0.10	—	0.10	0.10	—	0.10	—	1,515	1,515	0.13	< 0.005	—	1,519
Water	—	—	—	—	—	—	—	—	—	—	—	41.9	0.69	42.6	4.30	0.10	—	180
Waste	—	—	—	—	—	—	—	—	—	—	—	122	0.00	122	12.2	0.00	—	428

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,123	1,123
Total	8.36	8.04	3.19	26.0	0.07	0.13	6.56	6.69	0.13	1.66	1.79	164	7,434	7,598	16.9	0.35	1,125	9,251
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.58	0.54	0.35	3.84	0.01	< 0.005	1.20	1.20	< 0.005	0.30	0.31	—	977	977	0.04	0.04	0.37	991
Area	0.92	0.91	0.01	0.71	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.63	2.63	< 0.005	< 0.005	—	2.64
Energy	0.03	0.01	0.23	0.19	< 0.005	0.02	—	0.02	0.02	—	0.02	—	251	251	0.02	< 0.005	—	252
Water	—	—	—	—	—	—	—	—	—	—	—	6.94	0.11	7.05	0.71	0.02	—	29.9
Waste	—	—	—	—	—	—	—	—	—	—	—	20.3	0.00	20.3	2.03	0.00	—	70.9
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	186	186
Total	1.53	1.47	0.58	4.74	0.01	0.02	1.20	1.22	0.02	0.30	0.33	27.2	1,231	1,258	2.80	0.06	186	1,532

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	0.39	0.39	0.00	0.00	—	0.39

Unrefrigerated Warehouse-No	—	—	—	—	—	—	—	—	—	—	—	—	1.51	1.51	0.00	0.00	—	1.51
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	3.17	3.17	0.00	0.00	—	3.17
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	0.98	0.98	0.00	0.00	—	0.98
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	2.67	2.67	0.00	0.00	—	2.67
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	1.21	1.21	0.00	0.00	—	1.21
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	0.79	0.79	0.00	0.00	—	0.79
Total	—	—	—	—	—	—	—	—	—	—	—	—	10.7	10.7	0.00	0.00	—	10.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	0.39	0.39	0.00	0.00	—	0.39
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1.51	1.51	0.00	0.00	—	1.51
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	3.17	3.17	0.00	0.00	—	3.17

Recreational	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	0.98	0.98	0.00	0.00	—	0.98
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	2.67	2.67	0.00	0.00	—	2.67
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	1.21	1.21	0.00	0.00	—	1.21
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	0.79	0.79	0.00	0.00	—	0.79
Total	—	—	—	—	—	—	—	—	—	—	—	—	10.7	10.7	0.00	0.00	—	10.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	0.06	0.06	0.00	0.00	—	0.06
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	0.25	0.25	0.00	0.00	—	0.25
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.52	0.52	0.00	0.00	—	0.52
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	0.16	0.16	0.00	0.00	—	0.16
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.44	0.44	0.00	0.00	—	0.44

Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	0.20	0.20	0.00	0.00	—	0.20
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	0.13	0.13	0.00	0.00	—	0.13
Total	—	—	—	—	—	—	—	—	—	—	—	—	1.77	1.77	0.00	0.00	—	1.77

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	102	102	0.01	< 0.005	—	102
Unrefrigerated Warehouse-No Rail	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	51.8	51.8	< 0.005	< 0.005	—	52.0
General Office Building	0.02	0.01	0.20	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	233	233	0.02	< 0.005	—	234
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	72.0	72.0	0.01	< 0.005	—	72.2
Hotel	0.07	0.04	0.67	0.56	< 0.005	0.05	—	0.05	0.05	—	0.05	—	797	797	0.07	< 0.005	—	799

Convenience Market (24 hour)	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.5	41.5	< 0.005	< 0.005	—	41.6
Health Club	0.02	0.01	0.17	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	208	208	0.02	< 0.005	—	208
Total	0.14	0.07	1.26	1.06	0.01	0.10	—	0.10	0.10	—	0.10	—	1,504	1,504	0.13	< 0.005	—	1,508
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	102	102	0.01	< 0.005	—	102
Unrefrigerated Warehouse-No Rail	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	51.8	51.8	< 0.005	< 0.005	—	52.0
General Office Building	0.02	0.01	0.20	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	233	233	0.02	< 0.005	—	234
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	72.0	72.0	0.01	< 0.005	—	72.2
Hotel	0.07	0.04	0.67	0.56	< 0.005	0.05	—	0.05	0.05	—	0.05	—	797	797	0.07	< 0.005	—	799
Convenience Market (24 hour)	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.5	41.5	< 0.005	< 0.005	—	41.6
Health Club	0.02	0.01	0.17	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	208	208	0.02	< 0.005	—	208
Total	0.14	0.07	1.26	1.06	0.01	0.10	—	0.10	0.10	—	0.10	—	1,504	1,504	0.13	< 0.005	—	1,508
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Manufac	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.8	16.8	< 0.005	< 0.005	—	16.9
Unrefrigerated Warehouse-No Rail	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.58	8.58	< 0.005	< 0.005	—	8.60
General Office Building	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	38.6	38.6	< 0.005	< 0.005	—	38.7
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.9	11.9	< 0.005	< 0.005	—	12.0
Hotel	0.01	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	132	132	0.01	< 0.005	—	132
Convenience Market (24 hour)	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.87	6.87	< 0.005	< 0.005	—	6.89
Health Club	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	34.4	34.4	< 0.005	< 0.005	—	34.5
Total	0.03	0.01	0.23	0.19	< 0.005	0.02	—	0.02	0.02	—	0.02	—	249	249	0.02	< 0.005	—	250

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consum Products	3.86	3.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.52	0.52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.40	1.29	0.07	7.84	< 0.005	0.01	—	0.01	0.01	—	0.01	—	32.2	32.2	< 0.005	< 0.005	—	32.4
Total	5.77	5.66	0.07	7.84	< 0.005	0.01	—	0.01	0.01	—	0.01	—	32.2	32.2	< 0.005	< 0.005	—	32.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.86	3.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.52	0.52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	4.37	4.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.70	0.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.09	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.13	0.12	0.01	0.71	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.63	2.63	< 0.005	< 0.005	—	2.64
Total	0.92	0.91	0.01	0.71	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.63	2.63	< 0.005	< 0.005	—	2.64

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	3.21	0.05	3.26	0.33	0.01	—	13.8
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	13.6	0.23	13.9	1.40	0.03	—	58.7
General Office Building	—	—	—	—	—	—	—	—	—	—	—	10.4	0.17	10.6	1.07	0.03	—	44.9
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.60	0.01	0.61	0.06	< 0.005	—	2.58
Research & Development	—	—	—	—	—	—	—	—	—	—	—	8.91	0.15	9.06	0.91	0.02	—	38.4
Hotel	—	—	—	—	—	—	—	—	—	—	—	2.77	0.05	2.81	0.28	0.01	—	11.9
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	0.68	0.01	0.69	0.07	< 0.005	—	2.92
Health Club	—	—	—	—	—	—	—	—	—	—	—	1.68	0.03	1.70	0.17	< 0.005	—	7.22
Total	—	—	—	—	—	—	—	—	—	—	—	41.9	0.69	42.6	4.30	0.10	—	180

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	3.21	0.05	3.26	0.33	0.01	—	13.8
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	13.6	0.23	13.9	1.40	0.03	—	58.7
General Office Building	—	—	—	—	—	—	—	—	—	—	—	10.4	0.17	10.6	1.07	0.03	—	44.9
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.60	0.01	0.61	0.06	< 0.005	—	2.58
Research & Development	—	—	—	—	—	—	—	—	—	—	—	8.91	0.15	9.06	0.91	0.02	—	38.4
Hotel	—	—	—	—	—	—	—	—	—	—	—	2.77	0.05	2.81	0.28	0.01	—	11.9
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	0.68	0.01	0.69	0.07	< 0.005	—	2.92
Health Club	—	—	—	—	—	—	—	—	—	—	—	1.68	0.03	1.70	0.17	< 0.005	—	7.22
Total	—	—	—	—	—	—	—	—	—	—	—	41.9	0.69	42.6	4.30	0.10	—	180
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	0.53	0.01	0.54	0.05	< 0.005	—	2.29
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	2.26	0.04	2.29	0.23	0.01	—	9.72

General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.73	0.03	1.75	0.18	< 0.005	—	7.43
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.10	< 0.005	0.10	0.01	< 0.005	—	0.43
Research & Development	—	—	—	—	—	—	—	—	—	—	—	1.48	0.02	1.50	0.15	< 0.005	—	6.35
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.46	0.01	0.47	0.05	< 0.005	—	1.97
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	0.11	< 0.005	0.11	0.01	< 0.005	—	0.48
Health Club	—	—	—	—	—	—	—	—	—	—	—	0.28	< 0.005	0.28	0.03	< 0.005	—	1.20
Total	—	—	—	—	—	—	—	—	—	—	—	6.94	0.11	7.05	0.71	0.02	—	29.9

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	4.84	0.00	4.84	0.48	0.00	—	16.9

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	15.6	0.00	15.6	1.56	0.00	—	54.5
General Office Building	—	—	—	—	—	—	—	—	—	—	—	15.3	0.00	15.3	1.53	0.00	—	53.7
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	16.3	0.00	16.3	1.63	0.00	—	56.9
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.39	0.00	0.39	0.04	0.00	—	1.36
Hotel	—	—	—	—	—	—	—	—	—	—	—	16.8	0.00	16.8	1.68	0.00	—	58.7
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	7.75	0.00	7.75	0.77	0.00	—	27.1
Health Club	—	—	—	—	—	—	—	—	—	—	—	45.4	0.00	45.4	4.54	0.00	—	159
Total	—	—	—	—	—	—	—	—	—	—	—	122	0.00	122	12.2	0.00	—	428
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	4.84	0.00	4.84	0.48	0.00	—	16.9
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	15.6	0.00	15.6	1.56	0.00	—	54.5
General Office Building	—	—	—	—	—	—	—	—	—	—	—	15.3	0.00	15.3	1.53	0.00	—	53.7

Recreati Swimmin Pool	—	—	—	—	—	—	—	—	—	—	—	16.3	0.00	16.3	1.63	0.00	—	56.9
Researc h & Developm ent	—	—	—	—	—	—	—	—	—	—	—	0.39	0.00	0.39	0.04	0.00	—	1.36
Hotel	—	—	—	—	—	—	—	—	—	—	—	16.8	0.00	16.8	1.68	0.00	—	58.7
Conveni ence Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	7.75	0.00	7.75	0.77	0.00	—	27.1
Health Club	—	—	—	—	—	—	—	—	—	—	—	45.4	0.00	45.4	4.54	0.00	—	159
Total	—	—	—	—	—	—	—	—	—	—	—	122	0.00	122	12.2	0.00	—	428
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufac turing	—	—	—	—	—	—	—	—	—	—	—	0.80	0.00	0.80	0.08	0.00	—	2.80
Unrefrig erated Wareho use-No Rail	—	—	—	—	—	—	—	—	—	—	—	2.58	0.00	2.58	0.26	0.00	—	9.03
General Office Building	—	—	—	—	—	—	—	—	—	—	—	2.54	0.00	2.54	0.25	0.00	—	8.89
Recreati onal Swimmi ng Pool	—	—	—	—	—	—	—	—	—	—	—	2.69	0.00	2.69	0.27	0.00	—	9.42
Researc h & Developm ent	—	—	—	—	—	—	—	—	—	—	—	0.06	0.00	0.06	0.01	0.00	—	0.22
Hotel	—	—	—	—	—	—	—	—	—	—	—	2.78	0.00	2.78	0.28	0.00	—	9.72

Convenience	—	—	—	—	—	—	—	—	—	—	—	1.28	0.00	1.28	0.13	0.00	—	4.49
Health Club	—	—	—	—	—	—	—	—	—	—	—	7.52	0.00	7.52	0.75	0.00	—	26.3
Total	—	—	—	—	—	—	—	—	—	—	—	20.3	0.00	20.3	2.03	0.00	—	70.9

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.88	1.88
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	129	129
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	992	992

Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,123	1,123
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.88	1.88
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	129	129
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	992	992
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,123	1,123
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.31	0.31
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01

Recreational Swimming	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.4	21.4
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	164	164
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	186	186

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	1,496	1,496	1,496	523,600	9,880	9,880	9,880	3,458,000

5.10. Operational Area Sources

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	270,392	90,131	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Manufacturing	78,989	1.79	0.0000	0.0000	317,033
Unrefrigerated Warehouse-No Rail	308,278	1.79	0.0000	0.0000	161,690
General Office Building	648,014	1.79	0.0000	0.0000	727,044
Recreational Swimming Pool	0.00	1.79	0.0000	0.0000	0.00
Research & Development	200,255	1.79	0.0000	0.0000	224,678
Hotel	545,959	1.79	0.0000	0.0000	2,485,957
Convenience Market (24 hour)	246,323	1.79	0.0000	0.0000	129,555
Health Club	161,405	1.79	0.0000	0.0000	647,816

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Manufacturing	1,674,250	0.00
Unrefrigerated Warehouse-No Rail	7,116,256	0.00
General Office Building	5,440,785	0.00
Recreational Swimming Pool	313,222	0.00

Research & Development	4,651,425	0.00
Hotel	1,443,006	0.00
Convenience Market (24 hour)	354,363	0.00
Health Club	874,964	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Manufacturing	8.98	—
Unrefrigerated Warehouse-No Rail	28.9	—
General Office Building	28.5	—
Recreational Swimming Pool	30.2	—
Research & Development	0.72	—
Hotel	31.1	—
Convenience Market (24 hour)	14.4	—
Health Club	84.3	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Manufacturing	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Research & Development	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
Research & Development	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Convenience Market (24 hour)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Convenience Market (24 hour)	Supermarket refrigeration and condensing units	R-404A	3,922	26.5	16.5	16.5	18.0
Health Club	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Health Club	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	Project in urban environment
Characteristics: Utility Information	Per PG&E's 2023 PCL adjusted to account for RPS. CO2 is CO2e.

H1.4 2040 Operation

The CalEEMod output presents model inputs and outputs for operation of the NEPA No-Action Alternative under 2040 conditions.

Neither total operation nor mobile-source emissions results in the CalEEMod output are adjusted to reflect the June 12, 2025, congressional disapproval of the ACT, Warranty Phase 1, and Omnibus regulations. CARB has developed off-model adjustment factors for NO_X, ROG, PM_{10}, and $PM_{2.5}$ that remove the estimated emissions benefits attributed to regulations. Emissions of these pollutants were separately quantified using the project-specific traffic data and emission factors from EMFAC2021 with the off-model adjustments per CARB's guidance. The adjusted mobile-source emissions were used in place of the CalEEMod output for mobile sources and the total operational emissions recalculated. Refer to Section H1.1.5 for the off-model calculations.

Moffett No Action 2040 Operation Custom Report

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1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Moffett No Action 2040 Operation
Operational Year	2040
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	28.2
Location	37.40646021370499, -122.05214834788202
County	Santa Clara
City	Unincorporated
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1702
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Manufacturing	7.24	1000sqft	0.17	7,240	0.00	0.00	—	—
Unrefrigerated Warehouse-No Rail	30.8	1000sqft	0.71	30,773	0.00	0.00	—	—

General Office Building	30.6	1000sqft	0.70	30,612	0.00	0.00	—	—
Recreational Swimming Pool	5.30	1000sqft	0.12	5,296	0.00	0.00	—	—
Research & Development	9.46	1000sqft	0.22	9,460	0.00	0.00	—	—
Hotel	56.9	Room	1.90	82,598	0.00	0.00	—	—
Convenience Market (24 hour)	4.78	1000sqft	0.11	4,784	0.00	0.00	—	—
Health Club	14.8	1000sqft	0.34	14,784	0.00	0.00	—	—

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.12	8.74	3.01	32.0	0.07	0.13	6.97	7.10	0.13	1.77	1.90	164	7,896	8,060	16.9	0.34	1,126	9,710
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.65	7.38	3.23	22.8	0.07	0.12	6.97	7.09	0.12	1.77	1.88	164	7,481	7,645	16.9	0.36	1,123	9,299
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.17	7.86	3.07	25.2	0.06	0.13	6.56	6.69	0.12	1.66	1.79	164	7,302	7,466	16.9	0.34	1,125	9,115
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.49	1.43	0.56	4.60	0.01	0.02	1.20	1.22	0.02	0.30	0.33	27.2	1,209	1,236	2.79	0.06	186	1,509

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.21	3.01	1.68	23.1	0.06	0.02	6.97	6.99	0.02	1.77	1.79	—	6,348	6,348	0.21	0.23	3.22	6,426
Area	5.77	5.66	0.07	7.84	< 0.005	0.01	—	0.01	0.01	—	0.01	—	32.2	32.2	< 0.005	< 0.005	—	32.4
Energy	0.14	0.07	1.26	1.06	0.01	0.10	—	0.10	0.10	—	0.10	—	1,515	1,515	0.13	< 0.005	—	1,519
Water	—	—	—	—	—	—	—	—	—	—	—	41.9	0.69	42.6	4.30	0.10	—	180
Waste	—	—	—	—	—	—	—	—	—	—	—	122	0.00	122	12.2	0.00	—	428
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,123	1,123
Total	9.12	8.74	3.01	32.0	0.07	0.13	6.97	7.10	0.13	1.77	1.90	164	7,896	8,060	16.9	0.34	1,126	9,710
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.14	2.93	1.97	21.7	0.06	0.02	6.97	6.99	0.02	1.77	1.79	—	5,965	5,965	0.24	0.26	0.08	6,048
Area	4.37	4.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.14	0.07	1.26	1.06	0.01	0.10	—	0.10	0.10	—	0.10	—	1,515	1,515	0.13	< 0.005	—	1,519
Water	—	—	—	—	—	—	—	—	—	—	—	41.9	0.69	42.6	4.30	0.10	—	180
Waste	—	—	—	—	—	—	—	—	—	—	—	122	0.00	122	12.2	0.00	—	428
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,123	1,123
Total	7.65	7.38	3.23	22.8	0.07	0.12	6.97	7.09	0.12	1.77	1.88	164	7,481	7,645	16.9	0.36	1,123	9,299
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.97	2.78	1.78	20.3	0.06	0.02	6.56	6.58	0.02	1.66	1.69	—	5,771	5,771	0.22	0.24	1.33	5,848
Area	5.06	5.01	0.03	3.87	< 0.005	0.01	—	0.01	0.01	—	0.01	—	15.9	15.9	< 0.005	< 0.005	—	16.0
Energy	0.14	0.07	1.26	1.06	0.01	0.10	—	0.10	0.10	—	0.10	—	1,515	1,515	0.13	< 0.005	—	1,519
Water	—	—	—	—	—	—	—	—	—	—	—	41.9	0.69	42.6	4.30	0.10	—	180
Waste	—	—	—	—	—	—	—	—	—	—	—	122	0.00	122	12.2	0.00	—	428

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,123	1,123
Total	8.17	7.86	3.07	25.2	0.06	0.13	6.56	6.69	0.12	1.66	1.79	164	7,302	7,466	16.9	0.34	1,125	9,115
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.54	0.51	0.32	3.70	0.01	< 0.005	1.20	1.20	< 0.005	0.30	0.31	—	955	955	0.04	0.04	0.22	968
Area	0.92	0.91	0.01	0.71	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.63	2.63	< 0.005	< 0.005	—	2.64
Energy	0.03	0.01	0.23	0.19	< 0.005	0.02	—	0.02	0.02	—	0.02	—	251	251	0.02	< 0.005	—	251
Water	—	—	—	—	—	—	—	—	—	—	—	6.94	0.11	7.05	0.71	0.02	—	29.9
Waste	—	—	—	—	—	—	—	—	—	—	—	20.3	0.00	20.3	2.03	0.00	—	70.9
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	186	186
Total	1.49	1.43	0.56	4.60	0.01	0.02	1.20	1.22	0.02	0.30	0.33	27.2	1,209	1,236	2.79	0.06	186	1,509

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	0.39	0.39	0.00	0.00	—	0.39

Unrefrigerated Warehouse-No	—	—	—	—	—	—	—	—	—	—	—	—	1.51	1.51	0.00	0.00	—	1.51
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	3.17	3.17	0.00	0.00	—	3.17
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	0.98	0.98	0.00	0.00	—	0.98
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	2.67	2.67	0.00	0.00	—	2.67
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	1.21	1.21	0.00	0.00	—	1.21
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	0.79	0.79	0.00	0.00	—	0.79
Total	—	—	—	—	—	—	—	—	—	—	—	—	10.7	10.7	0.00	0.00	—	10.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	0.39	0.39	0.00	0.00	—	0.39
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1.51	1.51	0.00	0.00	—	1.51
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	3.17	3.17	0.00	0.00	—	3.17

Recreational	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	0.98	0.98	0.00	0.00	—	0.98
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	2.67	2.67	0.00	0.00	—	2.67
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	1.21	1.21	0.00	0.00	—	1.21
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	0.79	0.79	0.00	0.00	—	0.79
Total	—	—	—	—	—	—	—	—	—	—	—	—	10.7	10.7	0.00	0.00	—	10.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	0.06	0.06	0.00	0.00	—	0.06
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	0.25	0.25	0.00	0.00	—	0.25
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.52	0.52	0.00	0.00	—	0.52
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	0.16	0.16	0.00	0.00	—	0.16
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.44	0.44	0.00	0.00	—	0.44

Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	0.20	0.20	0.00	0.00	—	0.20
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	0.13	0.13	0.00	0.00	—	0.13
Total	—	—	—	—	—	—	—	—	—	—	—	—	1.77	1.77	0.00	0.00	—	1.77

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	102	102	0.01	< 0.005	—	102
Unrefrigerated Warehouse-No Rail	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	51.8	51.8	< 0.005	< 0.005	—	52.0
General Office Building	0.02	0.01	0.20	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	233	233	0.02	< 0.005	—	234
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	72.0	72.0	0.01	< 0.005	—	72.2
Hotel	0.07	0.04	0.67	0.56	< 0.005	0.05	—	0.05	0.05	—	0.05	—	797	797	0.07	< 0.005	—	799

Conveni Market (24 hour)	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.5	41.5	< 0.005	< 0.005	—	41.6
Health Club	0.02	0.01	0.17	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	207	207	0.02	< 0.005	—	208
Total	0.14	0.07	1.26	1.06	0.01	0.10	—	0.10	0.10	—	0.10	—	1,504	1,504	0.13	< 0.005	—	1,508
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufac turing	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	102	102	0.01	< 0.005	—	102
Unrefrig erated Wareho use-No Rail	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	51.8	51.8	< 0.005	< 0.005	—	52.0
General Office Building	0.02	0.01	0.20	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	233	233	0.02	< 0.005	—	234
Recreati onal Swimmi ng Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Researc h & Developm ent	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	72.0	72.0	0.01	< 0.005	—	72.2
Hotel	0.07	0.04	0.67	0.56	< 0.005	0.05	—	0.05	0.05	—	0.05	—	797	797	0.07	< 0.005	—	799
Conveni ence Market (24 hour)	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.5	41.5	< 0.005	< 0.005	—	41.6
Health Club	0.02	0.01	0.17	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	207	207	0.02	< 0.005	—	208
Total	0.14	0.07	1.26	1.06	0.01	0.10	—	0.10	0.10	—	0.10	—	1,504	1,504	0.13	< 0.005	—	1,508
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Manufac	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.8	16.8	< 0.005	< 0.005	—	16.9
Unrefrigerated Warehouse-No Rail	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.58	8.58	< 0.005	< 0.005	—	8.60
General Office Building	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	38.6	38.6	< 0.005	< 0.005	—	38.7
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.9	11.9	< 0.005	< 0.005	—	12.0
Hotel	0.01	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	132	132	0.01	< 0.005	—	132
Convenience Market (24 hour)	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.87	6.87	< 0.005	< 0.005	—	6.89
Health Club	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	34.3	34.3	< 0.005	< 0.005	—	34.4
Total	0.03	0.01	0.23	0.19	< 0.005	0.02	—	0.02	0.02	—	0.02	—	249	249	0.02	< 0.005	—	250

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consum Products	3.86	3.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.52	0.52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.40	1.29	0.07	7.84	< 0.005	0.01	—	0.01	0.01	—	0.01	—	32.2	32.2	< 0.005	< 0.005	—	32.4
Total	5.77	5.66	0.07	7.84	< 0.005	0.01	—	0.01	0.01	—	0.01	—	32.2	32.2	< 0.005	< 0.005	—	32.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.86	3.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.52	0.52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	4.37	4.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.70	0.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.09	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.13	0.12	0.01	0.71	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.63	2.63	< 0.005	< 0.005	—	2.64
Total	0.92	0.91	0.01	0.71	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.63	2.63	< 0.005	< 0.005	—	2.64

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	3.21	0.05	3.26	0.33	0.01	—	13.8
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	13.6	0.23	13.9	1.40	0.03	—	58.7
General Office Building	—	—	—	—	—	—	—	—	—	—	—	10.4	0.17	10.6	1.07	0.03	—	44.9
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.60	0.01	0.61	0.06	< 0.005	—	2.58
Research & Development	—	—	—	—	—	—	—	—	—	—	—	8.91	0.15	9.06	0.91	0.02	—	38.4
Hotel	—	—	—	—	—	—	—	—	—	—	—	2.77	0.05	2.81	0.28	0.01	—	11.9
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	0.68	0.01	0.69	0.07	< 0.005	—	2.92
Health Club	—	—	—	—	—	—	—	—	—	—	—	1.68	0.03	1.70	0.17	< 0.005	—	7.21
Total	—	—	—	—	—	—	—	—	—	—	—	41.9	0.69	42.6	4.30	0.10	—	180

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	3.21	0.05	3.26	0.33	0.01	—	13.8
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	13.6	0.23	13.9	1.40	0.03	—	58.7
General Office Building	—	—	—	—	—	—	—	—	—	—	—	10.4	0.17	10.6	1.07	0.03	—	44.9
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.60	0.01	0.61	0.06	< 0.005	—	2.58
Research & Development	—	—	—	—	—	—	—	—	—	—	—	8.91	0.15	9.06	0.91	0.02	—	38.4
Hotel	—	—	—	—	—	—	—	—	—	—	—	2.77	0.05	2.81	0.28	0.01	—	11.9
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	0.68	0.01	0.69	0.07	< 0.005	—	2.92
Health Club	—	—	—	—	—	—	—	—	—	—	—	1.68	0.03	1.70	0.17	< 0.005	—	7.21
Total	—	—	—	—	—	—	—	—	—	—	—	41.9	0.69	42.6	4.30	0.10	—	180
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	0.53	0.01	0.54	0.05	< 0.005	—	2.29
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	2.26	0.04	2.29	0.23	0.01	—	9.72

General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.73	0.03	1.75	0.18	< 0.005	—	7.43
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.10	< 0.005	0.10	0.01	< 0.005	—	0.43
Research & Development	—	—	—	—	—	—	—	—	—	—	—	1.48	0.02	1.50	0.15	< 0.005	—	6.35
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.46	0.01	0.47	0.05	< 0.005	—	1.97
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	0.11	< 0.005	0.11	0.01	< 0.005	—	0.48
Health Club	—	—	—	—	—	—	—	—	—	—	—	0.28	< 0.005	0.28	0.03	< 0.005	—	1.19
Total	—	—	—	—	—	—	—	—	—	—	—	6.94	0.11	7.05	0.71	0.02	—	29.9

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	4.84	0.00	4.84	0.48	0.00	—	16.9

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	15.6	0.00	15.6	1.56	0.00	—	54.5
General Office Building	—	—	—	—	—	—	—	—	—	—	—	15.3	0.00	15.3	1.53	0.00	—	53.7
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	16.3	0.00	16.3	1.63	0.00	—	56.9
Research & Development	—	—	—	—	—	—	—	—	—	—	—	0.39	0.00	0.39	0.04	0.00	—	1.36
Hotel	—	—	—	—	—	—	—	—	—	—	—	16.8	0.00	16.8	1.68	0.00	—	58.7
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	7.75	0.00	7.75	0.77	0.00	—	27.1
Health Club	—	—	—	—	—	—	—	—	—	—	—	45.4	0.00	45.4	4.54	0.00	—	159
Total	—	—	—	—	—	—	—	—	—	—	—	122	0.00	122	12.2	0.00	—	428
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	4.84	0.00	4.84	0.48	0.00	—	16.9
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	15.6	0.00	15.6	1.56	0.00	—	54.5
General Office Building	—	—	—	—	—	—	—	—	—	—	—	15.3	0.00	15.3	1.53	0.00	—	53.7

Recreati Swimmin Pool	—	—	—	—	—	—	—	—	—	—	—	16.3	0.00	16.3	1.63	0.00	—	56.9
Researc h & Developm ent	—	—	—	—	—	—	—	—	—	—	—	0.39	0.00	0.39	0.04	0.00	—	1.36
Hotel	—	—	—	—	—	—	—	—	—	—	—	16.8	0.00	16.8	1.68	0.00	—	58.7
Conveni ence Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	7.75	0.00	7.75	0.77	0.00	—	27.1
Health Club	—	—	—	—	—	—	—	—	—	—	—	45.4	0.00	45.4	4.54	0.00	—	159
Total	—	—	—	—	—	—	—	—	—	—	—	122	0.00	122	12.2	0.00	—	428
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufac turing	—	—	—	—	—	—	—	—	—	—	—	0.80	0.00	0.80	0.08	0.00	—	2.80
Unrefrig erated Wareho use-No Rail	—	—	—	—	—	—	—	—	—	—	—	2.58	0.00	2.58	0.26	0.00	—	9.03
General Office Building	—	—	—	—	—	—	—	—	—	—	—	2.54	0.00	2.54	0.25	0.00	—	8.89
Recreati onal Swimmi ng Pool	—	—	—	—	—	—	—	—	—	—	—	2.69	0.00	2.69	0.27	0.00	—	9.42
Researc h & Developm ent	—	—	—	—	—	—	—	—	—	—	—	0.06	0.00	0.06	0.01	0.00	—	0.22
Hotel	—	—	—	—	—	—	—	—	—	—	—	2.78	0.00	2.78	0.28	0.00	—	9.72

Convenience	—	—	—	—	—	—	—	—	—	—	—	1.28	0.00	1.28	0.13	0.00	—	4.49
Health Club	—	—	—	—	—	—	—	—	—	—	—	7.52	0.00	7.52	0.75	0.00	—	26.3
Total	—	—	—	—	—	—	—	—	—	—	—	20.3	0.00	20.3	2.03	0.00	—	70.9

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.88	1.88
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	129	129
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	992	992

Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,123	1,123
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.88	1.88
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	129	129
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	992	992
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,123	1,123
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.31	0.31
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01

Recreational Swimming	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.4	21.4
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	164	164
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	186	186

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	1,496	1,496	1,496	523,600	9,880	9,880	9,880	3,458,000

5.10. Operational Area Sources

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	270,377	90,126	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Manufacturing	78,989	1.79	0.0000	0.0000	317,033
Unrefrigerated Warehouse-No Rail	308,278	1.79	0.0000	0.0000	161,690
General Office Building	648,014	1.79	0.0000	0.0000	727,044
Recreational Swimming Pool	0.00	1.79	0.0000	0.0000	0.00
Research & Development	200,255	1.79	0.0000	0.0000	224,678
Hotel	545,959	1.79	0.0000	0.0000	2,485,957
Convenience Market (24 hour)	246,323	1.79	0.0000	0.0000	129,555
Health Club	161,296	1.79	0.0000	0.0000	647,378

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Manufacturing	1,674,250	0.00
Unrefrigerated Warehouse-No Rail	7,116,256	0.00
General Office Building	5,440,785	0.00
Recreational Swimming Pool	313,222	0.00

Research & Development	4,651,425	0.00
Hotel	1,443,006	0.00
Convenience Market (24 hour)	354,363	0.00
Health Club	874,372	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Manufacturing	8.98	—
Unrefrigerated Warehouse-No Rail	28.9	—
General Office Building	28.5	—
Recreational Swimming Pool	30.2	—
Research & Development	0.72	—
Hotel	31.1	—
Convenience Market (24 hour)	14.4	—
Health Club	84.3	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Manufacturing	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Research & Development	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
Research & Development	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Convenience Market (24 hour)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Convenience Market (24 hour)	Supermarket refrigeration and condensing units	R-404A	3,922	26.5	16.5	16.5	18.0
Health Club	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Health Club	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	Project in urban environment
Characteristics: Utility Information	Per PG&E's 2023 PCL adjusted to account for RPS. CO2 is CO2e.

H1.5 Adjusted Mobile-Source ROG, NO_X, and PM Emission Factors and Calculations

This section provides the revised ROG, NO_X, and PM mobile-source emissions calculations for operation of the existing land uses and the No Build Alternative. Adjusted ROG, NO_X, and PM mobile-source emissions were estimated by multiplying the adjusted emission factors (see Section A1.2.9) by the project-specific traffic data. Total annual operational emissions from the CalEEMod outputs were revised, based on the difference in mobile-source emissions between the adjusted (i.e., off-model) and unadjusted (i.e., CalEEMod) results. The revised results were then used to calculate average daily emissions for report presentation.

	Existing	No Build			
Year	2024	2031	2034	2037	2040
VMT/yr	332,500	3,458,000	3,458,000	3,458,000	3,458,000
Trips/yr	43,750	523,600	523,600	523,600	523,600

Year	ROG (ton/yr)	NOx (ton/yr)	PM10E (ton/yr)	PM10D (ton/yr)	PM10T (ton/yr)	PM2.5E (ton/yr)	PM2.5D (ton/yr)	PM2.5T (ton/yr)
2024	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0
2031	0.6	0.5	0.0	1.2	1.2	0.0	0.3	0.3
2034	0.6	0.4	0.0	1.2	1.2	0.0	0.3	0.3
2037	0.5	0.4	0.0	1.2	1.2	0.0	0.3	0.3
2040	0.5	0.4	0.0	1.2	1.2	0.0	0.3	0.3

Appendix B
ROG, NO_X, and PM Results without November 2025 CARB Adjustments for Removal of Mobile-Source Regulations

Emissions of reactive organic gases (ROGs), nitrogen oxides (NO_X), and particulate matter (PM) from mobile sources have been adjusted, based on guidance from CARB (2025d) and EPA (2025c) to remove effects of the Advanced Clean Trucks (ACT), Zero-Emission Airport Shuttle, Heavy-Duty Vehicle and Engine Emission Warranty and Maintenance Provisions (Warranty Phase 1), and Heavy-Duty Omnibus (Omnibus) regulations. As discussed in Section 3.3.1, *Methodology,* in Chapter 3, *Air Quality*, California can no longer enforce these regulations pursuant to joint resolutions signed by President Trump in June 2025.[45] Because the resolutions are currently being litigated, this appendix provides the unadjusted mass emission results for full disclosure in case the resolutions are overturned and the regulations deemed enforceable.

The same table names and numbers that are presented in Section 3.3.3, *Impacts*, are used in this appendix. The only differences between each table in Section 3.3.3 and its corresponding table in this appendix are the ROG, NO_X, and PM emissions contributions from mobile sources. Note that this appendix includes only those tables from Chapter 3 with emissions results (e.g., Table 3-14 is excluded because it does not have emissions results that were adjusted to account for CARB's mobile-source factors).

[45] See Pub. L. 119-15, 139 Stat. 65 (June 12, 2025); Pub. L. 119-17, 139 Stat. 67 (June 12, 2025).

Table 3-13. Estimated Average Daily and Annual Criteria Pollutant Emissions under Existing Conditions and NEPA No-Action Alternative[a]

	Average Daily (pounds per day)				Annual (tons per year)				
Source	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	SO_2
CEQA No-Project/Existing Conditions Alternative (existing 2024)									
Mobile	0.4	0.3	0.6	0.2	0.1	0.1	0.1	< 0.1	< 0.1
Area	1.5	< 0.1	< 0.1	< 0.1	0.3	< 0.1	< 0.1	< 0.1	< 0.1
Energy	< 0.1	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Total	1.9	0.6	0.7	0.2	0.3	0.1	0.1	< 0.1	< 0.1
Air District Threshold[c]	54	54	82	54	10	10	15	10	—
NEPA No-Action Alternative (2040)									
Mobile	2.8	1.8	6.6	1.7	0.5	0.3	1.2	0.3	< 0.1
Area	5.0	< 0.1	< 0.1	< 0.1	0.9	< 0.1	< 0.1	< 0.1	< 0.1
Energy	0.1	1.3	0.1	0.1	< 0.1	0.2	< 0.1	< 0.1	< 0.1
Total	7.9	3.1	6.7	1.8	1.4	0.6	1.2	0.3	< 0.1
de minimis Level[d]	—	—	—	—	100	100	—	100	100

Source: Appendix A

a. Exceedances of thresholds (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c. In developing the thresholds, the Air District considered levels at which project emissions would be cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

d. The *de minimis* levels drawn from 40 CFR Section 93.153 are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor to $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases; SO_2 = sulfur dioxide; — = no threshold

Table 3-15. Estimated Average Daily Unmitigated Criteria Pollutant Emissions from Construction of the CEQA Proposed Project[a]

	Average Daily (pounds per day)[b]			
Year	ROG	NO_X	PM_{10} (exhaust)	$PM_{2.5}$ (exhaust)
2026	7	**73**	3	3
2027	9	**89**	3	3
2028	9	**84**	2	2
2029	11	**78**	2	2
2030	21	52	1	1
2031	15	**139**	4	3
2032	20	**183**	4	4
2033	30	**101**	2	2
2034	8	**85**	2	2
2035	25	**89**	2	2
2036	15	48	1	1
2037	10	**102**	2	2
2038	28	**108**	2	2
2039	19	52	1	1
Air District Threshold[c]	54	54	82	54

Source: Appendix A

a. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** and underline.

b. Presents the average emissions estimate during a single day of construction in each year.

c. In developing the thresholds, the Air District considered levels at which project emissions would be cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA. The Air District also considers fugitive dust emissions significance without application of best management practices (BMPs).

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-16. Estimated Average Daily Mitigated Criteria Pollutant Emissions from Construction of the CEQA Proposed Project[a]

	Average Daily (pounds per day)[b]			
Year	ROG	NO_X	PM_{10} (exhaust)	$PM_{2.5}$ (exhaust)
2026	1	25	< 1	< 1
2027	2	20	1	1
2028	2	11	< 1	< 1
2029	3	10	< 1	< 1
2030	8	12	< 1	< 1
2031	4	29	1	1
2032	5	22	1	1
2033	11	16	< 1	< 1
2034	2	21	1	< 1
2035	10	16	< 1	< 1

2036	6	12	< 1	< 1
2037	3	26	1	1
2038	10	17	< 1	< 1
2039	7	5	< 1	< 1
Air District Threshold[c]	54	54	82	54

Source: Appendix A

[a.] Emissions results include Mitigation Measures AQ-1 and AQ-4. Mitigation Measures AQ-2 and HAZ-1 not quantified; Mitigation Measure GHG-1 is partially quantified (off-road engine controls). Mitigation Measures AQ-3 and HAZ-1 would not reduce ROG, NO_X, or PM exhaust emissions. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** and <u>underline</u>.

[b.] Presents the average emissions estimate during a single day of construction in each year.

[c.] In developing the thresholds, the Air District considered levels at which project emissions would be cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA. The Air District also considers fugitive dust emissions significance without application of BMPs.

$PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases; NO_X = nitrogen oxides.

Table 3-17. Estimated Average Daily and Annual Unmitigated Criteria Pollutant Emissions from Operation of the CEQA Proposed Project[a]

	Average Daily (pounds per day)				Annual (tons per year)			
Source	ROG	NO_X	PM_{10} (total) [b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]
Project (2040)								
Mobile	40.4	28.6	116.7	29.9	7.4	5.2	21.3	5.5
Area	68.3	0.6	0.1	0.1	12.5	0.1	< 0.1	< 0.1
Fugitive	7.7	< 0.1	< 0.1	< 0.1	1.4	< 0.1	< 0.1	< 0.1
Stationary	0.8	2.7	13.8	13.8	0.1	0.5	2.5	2.5
Total	117.2	31.9	130.7	43.8	21.4	5.8	23.8	8.0
Existing (2024)[c]	1.9	0.6	0.7	0.2	0.3	0.1	0.1	< 0.1
Net Change[d]	**115.3**	31.3	**130.0**	43.6	**21.0**	5.7	**23.7**	8.0
Air District Threshold[e]	54	54	82	54	10	10	15	10

Source: Appendix A

a. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c. Refer to Table 3-13 for emissions by source.

d. Total project (2040) emissions minus total existing (2024) emissions.

e. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-18. Estimated Average Daily and Annual Mitigated Criteria Pollutant Emissions from Operation of the CEQA Proposed Project[a]

	Average Daily (pounds per day)				Annual (tons per year)			
Source	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]
Project (2040)								
Mobile	37.4	26.5	108.0	27.6	6.8	4.8	19.7	5.0
Area	49.2 [c]	< 0.1	< 0.1	< 0.1	9.0	< 0.1	< 0.1	< 0.1
Fugitive	7.7	< 0.1	< 0.1	< 0.1	1.4	< 0.1	< 0.1	< 0.1
Stationary	0.8	2.7	13.8	13.8	0.1	0.5	2.5	2.5
Total	95.1	29.1	121.8	41.4	17.4	5.3	22.2	7.6
Existing (2024)[d]	1.9	0.6	0.7	0.2	0.3	0.1	0.1	< 0.1
Net Change[e]	**93.2**	28.5	**121.1**	41.2	**17.0**	5.2	**22.1**	7.5
Air District Threshold[f]	54	54	82	54	10	10	15	10

Source: Appendix A

[a.] Emissions results include implementation of Mitigation Measures AQ-5, AQ-6, and TRAN-1. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

[b.] Total emissions consist of exhaust and fugitive dust emissions.

[c] The mitigation analysis conservatively assumes only use of low-VOC paints (i.e., less than 50 grams per liter VOC), which is required, at a minimum, by Mitigation Measure AQ-5. The measure also requires no-VOC paints (i.e., less than 5 grams per liter of VOC) where locally (i.e., within 50 miles of the Project Site) and commercially available for the coating type. Where no-VOC paints are used, emissions would be less than presented above.

[d.] Refer to Table 3-13 for emissions by source.

[e.] Total project (2040) emissions minus total existing (2024) emissions.

[f.] In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gas

Table 3-19. Estimated Average Daily and Annual Unmitigated Criteria Pollutant Emissions from Concurrent Construction and Net Partial Operation of the CEQA Proposed Project[a]

	Average Daily (pounds per day)				Annual (tons per year)			
Year	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]
2031[c]	47	**150**	51	17	9	**27**	9	3
2032[c]	53	**193**	50	17	10	**35**	9	3
2033[c]	**63**	**112**	46	15	**11**	**20**	8	3
2034[d]	**80**	**106**	**98**	32	**15**	**19**	**18**	6
2035[d]	**96**	**110**	**94**	31	**18**	**20**	**17**	6
2036[d]	**86**	**69**	**89**	29	**16**	**13**	**16**	5
2037[e]	**102**	**128**	**123**	40	**19**	**23**	**22**	7
2038[e]	**119**	**134**	**118**	39	**22**	**24**	**22**	7
2039[e]	**109**	**74**	**109**	36	**20**	**14**	**20**	7
Air District Threshold[f]	54	54	82	54	10	10	15	10

Source: Appendix A

a. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c. Unmitigated construction emissions (Table 3-15) plus unmitigated operational emissions from buildings constructed during Phase 1. Operational emissions were quantified under 2031 opening conditions and held constant in 2032 and 2033. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

d. Unmitigated construction emissions (Table 3-15) plus unmitigated operational emissions from buildings constructed during Phases 1 and 2. Operational emissions were quantified under 2034 opening conditions and held constant in 2035 and 2036. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

e. Unmitigated construction emissions (Table 3-15) plus unmitigated operational emissions from buildings constructed during Phases 1 through 3. Operational emissions were quantified under 2037 opening conditions and held constant in 2038 and 2039. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

f. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-20. Estimated Average Daily and Annual Mitigated Criteria Pollutant Emissions from Concurrent Construction and Net Partial Operation of the CEQA Proposed Project[a]

	Average Daily (pounds per day)				Annual (tons per year)			
Year	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]
2031[c]	31	39	44	13	6	7	8	2
2032[c]	32	31	44	13	6	6	8	2
2033[c]	38	25	42	13	7	5	8	2
2034[d]	**62**	41	**90**	29	**11**	7	**16**	5
2035[d]	**69**	35	**86**	28	**13**	6	**16**	5
2036[d]	**65**	31	**82**	27	**12**	6	**15**	5
2037[e]	**78**	49	**113**	37	**14**	9	**21**	7
2038[e]	**85**	41	**109**	36	**16**	7	**20**	7
2039[e]	**82**	28	**102**	34	**15**	5	**19**	6
Air District Threshold[f]	54	54	82	54	10	10	15	10

Source: Appendix A

a. Construction emissions include Mitigation Measures AQ-1, AQ-3, and AQ-4 (Mitigation Measures AQ-2 and HAZ-1 not quantified; Mitigation Measure GHG-1 is partially quantified [off-road engine controls]). Operational emissions include Mitigation Measures AQ-5, AQ-6, and TRAN-1. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c. Mitigated construction emissions (Table 3-16) plus mitigated operational emissions from buildings constructed during Phase 1. Operational emissions were quantified under 2031 opening conditions and held constant in 2032 and 2033. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

d. Mitigated Construction emissions (Table 3-16) plus mitigated operational emissions from buildings constructed during Phases 1 and 2. Operational emissions were quantified under 2034 opening conditions and held constant in 2035 and 2036. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

e. Mitigated Construction emissions (Table 3-16) plus mitigated operational emissions from buildings constructed during Phases 1 through 3. Operational emissions were quantified under 2037 opening conditions and held constant in 2038 and 2039. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

f. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-21. Estimated Annual Unmitigated Criteria Pollutant Emissions from Construction of NEPA Build Alternative 1[a]

	Annual (tons per year)[b]			
Year	ROG	NO_X	$PM_{2.5}$ (total)[c]	SO_2
2026	1	6	< 1	< 1
2027	2	16	1	< 1
2028	2	15	1	< 1
2029	2	14	1	< 1
2030	4	9	1	< 1
2031	3	25	1	< 1
2032	4	33	1	< 1
2033	6	18	1	< 1
2034	2	15	1	< 1
2035	5	16	1	< 1
2036	3	9	1	< 1
2037	2	19	1	< 1
2038	5	20	1	< 1
2039	3	9	<1	< 1
de minimis Level[d]	100	100	100	100

Source: Appendix A

a. Emissions results include use of Tier Final 4 off-road engines (greater than 25 horsepower). Values are rounded to the nearest whole number. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

b. Presents the total emissions estimate during each year of construction.

c. Total $PM_{2.5}$ emissions consist of exhaust and fugitive dust emissions.

d. The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; ROG = reactive organic gases; SO_2 = sulfur dioxide

Table 3-22. Estimated Total Annual Unmitigated Criteria Pollutant Emissions from Operation of NEPA Build Alternative 1[a]

	Annual (tons per year)			
Alternative	ROG	NO_X	$PM_{2.5}$ (total)[b]	SO_2
NEPA Build Alternative 1[c]	21.4	5.8	8.0	0.2
NEPA No-Action Alternative[d]	1.4	0.6	0.3	< 0.1
Net Change[e]	20.0	5.3	7.7	0.2
de minimis Level[f]	100	100	100	100

Source: Appendix A

a. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

b. Total $PM_{2.5}$ emissions consist of exhaust and fugitive dust emissions.

c. Refer to Table 3-17 for emissions by source.

d. Refer to Table 3-13 for emissions by source.

e. Total project (2040) emissions minus NEPA No-Action Alternative (2040) emissions.

f. The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; ROG = reactive organic gases; SO_2 = sulfur dioxide

Table 3-23. Estimated Annual Unmitigated Criteria Pollutant Emissions from Concurrent Construction and Net Partial Operation of NEPA Build Alternative 1[a]

	Annual (tons per year)			
Year	ROG	NO_X	$PM_{2.5}$ (total)[b]	SO_2
2031[c]	7	27	3	< 1
2032[c]	8	35	3	< 1
2033[c]	10	20	2	< 1
2034[d]	13	19	6	< 1
2035[d]	16	20	5	< 1
2036[d]	14	12	5	< 1
2037[e]	18	23	7	< 1
2038[e]	21	24	7	< 1
2039[e]	19	13	6	< 1
de minimis Level[f]	100	100	100	100

Source: Appendix A

a. Values are rounded to the nearest whole number. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c. Unmitigated construction emissions (Table 3-21) plus unmitigated operational emissions from buildings constructed during Phase 1. Operational emissions were quantified under 2031 opening conditions and held constant in 2032 and 2033. Emissions from existing land uses under 2031 conditions are subtracted from the operational results.

d. Unmitigated construction emissions (Table 3-21) plus unmitigated operational emissions from buildings constructed during Phases 1 and 2. Operational emissions were quantified under 2034 opening conditions and held constant in 2035 and 2036. Emissions from existing land uses under 2034 conditions are subtracted from the operational results.

e. Unmitigated construction emissions (Table 3-21) plus unmitigated operational emissions from buildings constructed during Phases 1 through 3. Operational emissions were quantified under 2037 opening conditions and held constant in 2038 and 2039. Emissions from existing land uses under 2037 conditions are subtracted from the operational results.

f. The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; ROG = reactive organic gases; SO_2 = sulfur dioxide

Table 3-24. Estimated Average Daily Unmitigated Criteria Pollutant Emissions from Construction of the CEQA Proposed Project with the WRF Option[a]

Select Construction Years[b]	Average Daily (pounds per day)[c]			
	ROG	NO_X	PM_{10} (exhaust)	$PM_{2.5}$ (exhaust)
CEQA Proposed Project with WRF Option				
2037	12	**118**	2	2
2038	28	**116**	2	2

Select Construction Years[b]	Average Daily (pounds per day)[c]			
	ROG	NO_X	PM_{10} (exhaust)	$PM_{2.5}$ (exhaust)
Air District Threshold[d]	54	54	82	54

Source: Appendix A

[a.] Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

[b.] The WRF would be constructed in 2037 and 2038. Emissions during all other construction years would be the same as presented in Table 3-15 for the CEQA Proposed Project.

[c.] Presents the average emissions estimate during a single day of construction in each year.

[d.] In developing the average daily thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA. The Air District also considers fugitive dust emissions significant without application of BMPs.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-25. Estimated Average Daily Mitigated Criteria Pollutant Emissions from Construction of the CEQA Proposed Project with the WRF Option[a]

Select Construction Years[b]	Average Daily (pounds per day)[c]			
	ROG	NO_X	PM_{10} (exhaust)	$PM_{2.5}$ (exhaust)
CEQA Proposed Project with WRF Option				
2037	3	26	1	1
2038	10	17	< 1	< 1
Air District Threshold[d]	54	54	82	54

Source: Appendix A

[a.] Emissions results include Mitigation Measures AQ-1 and AQ-4. Mitigation Measures AQ-2 and HAZ-1 are not quantified; Mitigation Measure GHG-2 is partially quantified (off-road engine controls). Mitigation Measures AQ-3 and HAZ-1 would not reduce ROG, NO_X, or PM exhaust emissions. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

[b.] The WRF would be constructed in 2037 and 2038. Emissions during all other construction years would be the same as presented in Table 3-16 for the CEQA Proposed Project.

[c.] Presents the average emissions estimate during a single day of construction in each year.

[d.] In developing the average daily thresholds, the Air District considered levels at which project emissions are cumulatively considerable under CEQA. Consequently, exceedances of project-level thresholds would be cumulatively considerable. The Air District also considers fugitive dust emissions significant without application of BMPs.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-26. Estimated Average Daily and Annual Unmitigated Criteria Pollutant Emissions from Operation of the CEQA Proposed Project with the WRF Option[a]

Source	Average Daily (pounds per day)				Annual (tons per year)			
	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]
Project (2040)								
Mobile	40.4	28.6	116.7	29.9	7.4	5.2	21.3	5.5
Area	68.3	0.6	0.1	0.1	12.5	0.1	< 0.1	< 0.1
Fugitive	7.7	< 0.1	< 0.1	< 0.1	1.4	< 0.1	< 0.1	< 0.1
Stationary	0.9	2.9	13.8	13.8	0.2	0.5	2.5	2.5
Total WRF	117.3	32.1	130.7	43.8	21.4	5.9	23.8	8.0
Existing (2024)[c]	1.9	0.6	0.7	0.2	0.3	0.1	0.1	< 0.1
Net Change[d]	**115.4**	31.5	**130.0**	43.6	**21.1**	5.8	**23.7**	8.0
Air District Threshold[e]	54	54	82	54	10	10	15	10

Source: Appendix A

[a] Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

[b] Total emissions consist of exhaust and fugitive dust emissions.

[c] Refer to Table 3-13 for emissions by source.

[d] Total project (2040) emissions minus total existing (2024) emissions.

[e] In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-27. Estimated Average Daily and Annual Mitigated Criteria Pollutant Emissions from Operation of the CEQA Proposed Project with the WRF Option[a]

Source	Average Daily (pounds per day)				Annual (tons per year)			
	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]
Project (2040)								
Mobile	37.4	26.5	108.0	27.6	6.8	4.8	19.7	5.0
Area	49.2 [c]	< 0.1	< 0.1	< 0.1	9.0	< 0.1	< 0.1	< 0.1
Fugitive	7.7	< 0.1	< 0.1	< 0.1	1.4	< 0.1	< 0.1	< 0.1
Stationary	0.9	2.9	13.8	13.8	0.2	0.5	2.5	2.5
Total	95.2	29.3	121.8	41.4	17.4	5.4	22.2	7.6
Existing (2024)[d]	1.9	0.6	0.7	0.2	0.3	0.1	0.1	< 0.1
Net Change[e]	**93.3**	28.8	**121.1**	41.3	**17.0**	5.3	**22.1**	7.5
Air District Threshold[f]	54	54	82	54	10	10	15	10

Source: Appendix A

a. Emissions results include implementation of Mitigation Measures AQ-5, AQ-6, and TRAN-1. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c The mitigation analysis conservatively assumes only use of low-VOC paints (i.e., less than 50 grams per liter VOC), which is required, at a minimum, by Mitigation Measure AQ-5. The measure also requires no-VOC paints (i.e., less than 5 grams per liter of VOC) where locally (i.e., within 50 miles of the Project Site) and commercially available for the coating type. Where no-VOC paints are used, emissions would be less than presented above.

d. Refer to Table 3-13 for emissions by source.

e. Total project (2040) emissions minus total existing (2024) emissions.

f. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases;

Table 3-28. Estimated Average Daily and Annual Unmitigated Criteria Pollutant Emissions from Concurrent Construction and Net Partial Operation of the CEQA Proposed Project with the WRF Option[a]

Select Construction Year[b]	Average Daily (pounds per day)				Annual (tons per year)			
	ROG	NO_X	PM_{10} (total)[c]	$PM_{2.5}$ (total)[c]	ROG	NO_X	PM_{10} (total)[c]	$PM_{2.5}$ (total)[c]
2037[d]	**104**	**144**	**123**	40	**19**	**26**	**23**	7
2038[d]	**120**	**142**	**118**	39	**22**	**26**	**22**	7
2039[d]	**109**	**74**	**109**	36	**20**	**14**	**20**	7
Air District Threshold[e]	54	54	82	54	10	10	15	10

Source: Appendix A

a. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. The WRF would be constructed in 2037 and 2038 and begin operation in 2040. Emissions during years prior to 2037 would be the same as presented in Table 3-19 for the CEQA Proposed Project.

c. Total emissions consist of exhaust and fugitive dust emissions.

d. Unmitigated construction emissions (Table 3-24 for 2037 and 2038; Table 3-15 for 2039) plus unmitigated operational emissions from buildings constructed during Phases 1 through 3. Operational emissions were quantified under 2037 opening conditions and held constant in 2038 and 2039. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

e. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-29. Estimated Average Daily and Annual Mitigated Criteria Pollutant Emissions from Concurrent Construction and Net Partial Operation of the CEQA Proposed Project with the WRF Option[a]

Select Construction Year[b]	Average Daily (pounds per day)				Annual (tons per year)			
	ROG	NO_X	PM_{10} (total)[c]	$PM_{2.5}$ (total)[c]	ROG	NO_X	PM_{10} (total)[c]	$PM_{2.5}$ (total)[c]
2037[d]	**78**	50	**114**	37	**14**	9	**21**	7
2038[d]	**85**	41	**110**	36	**16**	7	**20**	7
2039[d]	**82**	28	**102**	34	**15**	5	**19**	6
Air District Threshold[e]	54	54	82	54	10	10	15	10

Source: Appendix A

a. Construction emissions include Mitigation Measures AQ-1, AQ-3, and AQ-4 (Mitigation Measures AQ-2 and HAZ-1 are not quantified; Mitigation Measure GHG-1 is partially quantified [off-road engine controls]). Operational emissions include Mitigation Measures AQ-5, AQ-6, and TRAN-1. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. The WRF would be constructed in 2037 and 2038 and begin operation in 2040. Emissions during years prior to 2037 would be the same as presented in Table 3-20 for the CEQA Proposed Project.

c. Total emissions consist of exhaust and fugitive dust emissions.

d. Mitigated construction emissions (Table 3-25 for 2037 and 2038; Table 3-16 for 2039) plus net mitigated operational emissions from buildings constructed during Phases 1 through 3. Operational emissions were quantified under 2037 opening conditions and held constant in 2038 and 2039. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

e. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-30. Estimated Annual Unmitigated Criteria Pollutant Emissions from Construction of NEPA Build Alternative 1 with the WRF Option[a]

Select Construction Years[b]	Annual (tons per year)[c]			
	ROG	NO_X	$PM_{2.5}$ (total)[d]	SO_2
NEPA Build Alternative 1 with WRF Option				
2037	2	22	1	< 1
2038	5	21	1	< 1
de minimis Level[e]	100	100	100	100

Source: Appendix A

a. Values are rounded to the nearest whole number. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

b. The WRF would be constructed in 2037 and 2038. Emissions during all other construction years would be the same as presented in Table 3-21 for NEPA Build Alternative 1.

c. Presents the total emissions estimate during each year of construction.

d. Total $PM_{2.5}$ emissions consist of exhaust and fugitive dust emissions.

e. The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; ROG = reactive organic gases; SO_2 = sulfur dioxide

Table 3-31. Estimated Total Annual Unmitigated Criteria Pollutant Emissions from Operation of NEPA Build Alternative 1 with the WRF Option[a]

Alternative	Annual (tons per year)			
	ROG	NO_X	$PM_{2.5}$ (total)[b]	SO_2
NEPA Build Alternative 1 WRF[c]	21.4	5.9	8.0	0.2
NEPA No-Action Alternative[d]	1.4	0.6	0.3	< 0.1
Net Change[e]	20.0	5.3	7.7	0.2
de minimis Level[f]	100	100	100	100

Source: Appendix A

a. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

b. Total $PM_{2.5}$ emissions consist of exhaust and fugitive dust emissions.

c. Refer to Table 3-26 for emissions by source.

d. Refer to Table 3-13 for emissions by source.

e. Total project (2040) emissions minus NEPA No-Action Alternative (2040) emissions.

f. The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; ROG = reactive organic gases; SO_2 = sulfur dioxide

Table 3-32. Estimated Annual Unmitigated Criteria Pollutant Emissions from Concurrent Construction and Net Partial Operation of NEPA Build Alternative 1 with the WRF Option[a]

Select Construction Year[b]	Annual (tons per year)			
	ROG	NO_X	$PM_{2.5}$ (total)[c]	SO_2
2037[d]	18	26	7	< 1
2038[d]	21	25	7	< 1

Select Construction Year[b]	Annual (tons per year)			
	ROG	NO_X	$PM_{2.5}$ (total)[c]	SO_2
2039[d]	19	13	6	< 1
de minimis Level[e]	100	100	100	100

Source: Appendix A

[a.] Values are rounded to the nearest whole number. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

[b.] The WRF would be constructed in 2037 and 2038 and begin operation in 2040. Emissions during years prior to 2034 would be the same as presented in Table 3-23 for NEPA Build Alternative 1.

[c.] Total emissions consist of exhaust and fugitive dust emissions.

[d.] Unmitigated construction emissions (Table 3-30 for 2037 and 2038; Table 3-21 for 2039) plus unmitigated operational emissions from buildings constructed during Phase 1. Operational emissions were quantified under 2037 opening conditions and held constant in 2038 and 2039. Emissions from existing land uses under 2037 conditions are subtracted from the operational results.

[e.] The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; ROG = reactive organic gases; SO_2 = sulfur dioxide; — = no threshold

Table 3-33. Estimated Average Daily Unmitigated Criteria Pollutant Emissions from Construction of the CEQA Proposed Project with the CUP Option[a]

Select Construction Years[b]	Average Daily (pounds per day)[c]			
	ROG	NO_X	PM_{10} (exhaust)	$PM_{2.5}$ (exhaust)
CEQA Proposed Project with CUP Option				
2034	10	**105**	2	2
2035	26	**99**	2	2
Air District Threshold[d]	54	54	82	54

Source: Appendix A

[a.] Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

[b.] The CUP would be constructed in 2034 and 2035. Emissions during all other construction years would be the same as presented in Table 3-15 for the CEQA Proposed Project.

[c.] Presents the average emissions estimate during a single day of construction in each year.

[d.] In developing the average daily thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA. The Air District also considers fugitive dust emissions significant without application of BMPs.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-34. Estimated Average Daily Mitigated Criteria Pollutant Emissions from Construction of the CEQA Proposed Project with the CUP Option[a]

Select Construction Years[b]	Average Daily (pounds per day)[c]			
	ROG	NO_X	PM_{10} (exhaust)	$PM_{2.5}$ (exhaust)
CEQA Proposed Project with CUP Option				
2034	2	23	1	1
2035	10	16	< 1	< 1
Air District Threshold[d]	54	54	82	54

Source: Appendix A

[a.] Emissions results include Mitigation Measures AQ-1 and AQ-4. Mitigation Measures AQ-2 and HAZ-1 are not quantified; Mitigation Measure GHG-1 is partially quantified (off-road engine controls). Mitigation Measures AQ-3 and HAZ-1 would not reduce ROG, NO_X, or PM exhaust emissions. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

[b.] The CUP would be constructed in 2034 and 2035. Emissions during all other construction years would be the same as presented in Table 3-16 for the CEQA Proposed Project.

[c.] Presents the average emissions estimate during a single day of construction in each year.

[d.] In developing the average daily thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA. The Air District also considers fugitive dust emissions significant without application of BMPs.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-35. Estimated Average Daily and Annual Unmitigated Criteria Pollutant Emissions from Operation of the CEQA Proposed Project with the CUP Option[a]

	Average Daily (pounds per day)				Annual (tons per year)			
Source	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]
Project (2040)								
Mobile	40.4	28.6	116.7	29.9	7.4	5.2	21.3	5.5
Area	68.3	0.6	0.1	0.1	12.5	0.1	< 0.1	< 0.1
Fugitive	7.7	< 0.1	< 0.1	< 0.1	1.4	< 0.1	< 0.1	< 0.1
Stationary	0.9	2.9	9.2	9.2	0.2	0.5	1.7	1.7
Total	117.3	32.1	126.1	39.2	21.4	5.9	23.0	7.2
Existing (2024)[c]	1.9	0.6	0.7	0.2	0.3	0.1	0.1	< 0.1
Net Change[d]	**115.4**	31.5	**125.5**	39.0	**21.1**	5.8	**22.9**	7.1
Air District Threshold[e]	54	54	82	54	10	10	15	10

Source: Appendix A

a. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c. Refer to Table 3-13 for emissions by source.

d. Total project (2040) emissions minus total existing (2024) emissions.

e. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-36. Estimated Average Daily and Annual Mitigated Criteria Pollutant Emissions from Operation of the CEQA Proposed Project with the CUP Option[a]

Source	Average Daily (pounds per day)				Annual (tons per year)			
	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]
Project (2040)								
Mobile	37.4	26.5	108.0	27.6	6.8	4.8	19.7	5.0
Area	49.2 [c]	< 0.1	< 0.1	< 0.1	9.0	< 0.1	< 0.1	< 0.1
Fugitive	7.7	< 0.1	< 0.1	< 0.1	1.4	< 0.1	< 0.1	< 0.1
Stationary	0.9	2.9	9.2	9.2	0.2	0.5	1.7	1.7
Total	95.2	29.3	117.2	36.9	17.4	5.4	21.4	6.7
Existing (2024)[d]	1.9	0.6	0.7	0.2	0.3	0.1	0.1	< 0.1
Net Change[e]	**93.3**	28.8	**116.6**	36.7	**17.0**	5.3	**21.3**	6.7
Air District Threshold[f]	54	54	82	54	10	10	15	10

Source: Appendix A

a. Emissions results include implementation of Mitigation Measures AQ-5, AQ-6, and TRAN-1. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c. The mitigation analysis conservatively assumes only use of low-VOC paints (i.e., less than 50 grams per liter VOC), which is required, at a minimum, by Mitigation Measure AQ-5. The measure also requires no-VOC paints (i.e., less than 5 grams per liter of VOC) where locally (i.e., within 50 miles of the Project Site) and commercially available for the coating type. Where no-VOC paints are used, emissions would be less than presented above.

d. Refer to Table 3-13 for emissions by source.

e. Total project (2040) emissions minus total existing (2024) emissions.

f. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-37. Estimated Average Daily and Annual Unmitigated Criteria Pollutant Emissions from Concurrent Construction and Net Partial Operation of the CEQA Proposed Project with the CUP Option[a]

Select Construction Year[b]	Average Daily (pounds per day)				Annual (tons per year)			
	ROG	NO_X	PM_{10} (total)[c]	$PM_{2.5}$ (total)[c]	ROG	NO_X	PM_{10} (total)[c]	$PM_{2.5}$ (total)[c]
2034[d]	**81**	**127**	**91**	24	**15**	**23**	**17**	4
2035[d]	**97**	**121**	**86**	23	**18**	**22**	**16**	4
2036[d]	**86**	**69**	81	21	**16**	**13**	15	4
2037[e]	**102**	**128**	**117**	35	**19**	**23**	**21**	6
2038[e]	**119**	**134**	**112**	33	**22**	**25**	**20**	6
2039[e]	**109**	**74**	**103**	30	**20**	**14**	**19**	6
Air District Threshold[f]	54	54	82	54	10	10	15	10

Source: Appendix A

a. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. The CUP would be constructed in 2034 and 2035 and begin operation in 2037. Emissions during years prior to 2034 would be the same as presented in Table 3-18 for the CEQA Proposed Project.

c. Total emissions consist of exhaust and fugitive dust emissions.

d. Unmitigated construction emissions (Table 3-33 for 2034 and 2035; Table 3-15 for 2036) plus unmitigated operational emissions from buildings constructed during Phases 1 and 2. Operational emissions were quantified under 2034 opening conditions and held constant in 2035 and 2036. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

e. Unmitigated construction emissions (Table 3-15) plus unmitigated operational emissions from buildings constructed during Phases 1 through 3. Operational emissions were quantified under 2037 opening conditions and held constant in 2038 and 2039. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

f. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-38. Estimated Average Daily and Annual Mitigated Criteria Pollutant Emissions from Concurrent Construction and Net Partial Operation of the CEQA Proposed Project with the CUP Option[a]

Select Construction Year[b]	Average Daily (pounds per day)				Annual (tons per year)			
	ROG	NO_X	PM_{10} (total)[c]	$PM_{2.5}$ (total)[c]	ROG	NO_X	PM_{10} (total)[c]	$PM_{2.5}$ (total)[c]
2034[d]	**62**	43	**82**	21	**11**	8	**15**	4
2035[d]	**69**	36	78	20	**13**	7	14	4
2036[d]	**65**	31	74	19	**12**	6	14	4
2037[e]	**78**	50	**108**	31	**14**	9	**20**	6
2038[e]	**85**	41	**104**	30	**16**	7	**19**	6
2039[e]	**82**	29	**96**	28	**15**	5	**17**	5
Air District Threshold[f]	54	54	82	54	10	10	15	10

Source: Appendix A

a. Construction emissions include Mitigation Measures AQ-1, AQ-3, and AQ-4 (Mitigation Measures AQ-2 and HAZ-1 are not quantified; Mitigation Measure GHG-1 is partially quantified [off-road engine controls]). Operational emissions include Mitigation Measures AQ-5, AQ-6, and TRAN-1. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. The CUP would be constructed in 2034 and 2035 and begin operation in 2037. Emissions during years prior to 2034 would be the same as presented in Table 3-19 for the CEQA Proposed Project.

c. Total emissions consist of exhaust and fugitive dust emissions.

d. Mitigated construction emissions (Table 3-34 for 2034 and 2035; Table 3-16 for 2036) plus mitigated operational emissions from buildings constructed during Phases 1 and 2. Operational emissions were quantified under 2034 opening conditions and held constant in 2035 and 2036. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

e. Mitigated construction emissions (Table 3-16) plus mitigated operational emissions from buildings constructed during Phases 1 through 3. Operational emissions were quantified under 2037 opening conditions and held constant in 2038 and 2039. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

f. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-39. Estimated Annual Unmitigated Criteria Pollutant Emissions from Construction of NEPA Build Alternative 1 with the CUP Option[a]

Select Construction Years[b]	Annual (tons per year)[c]			
	ROG	NO_X	$PM_{2.5}$ (total)[d]	SO_2
NEPA Build Alternative 1 with CUP Option				
2034	2	19	1	< 1
2035	5	18	1	< 1
de minimis Level[e]	100	100	100	100

Source: Appendix A

a. Values are rounded to the nearest whole number. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

b. The CUP would be constructed in 2034 and 2035. Emissions during all other construction years would be the same as presented in Table 3-21 for NEPA Build Alternative 1.

c. Presents the total emissions estimate during each year of construction.

d. Total $PM_{2.5}$ emissions consist of exhaust and fugitive dust emissions.

e. The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; ROG = reactive organic gases; SO_2 = sulfur dioxide

Table 3-40. Estimated Total Annual Unmitigated Criteria Pollutant Emissions from Operation of NEPA Build Alternative 1 with the CUP Option[a]

Alternative	Annual (tons per year)			
	ROG	NO_X	$PM_{2.5}$ (total)[b]	SO_2
NEPA Build Alternative 1 CUP[c]	21.4	5.9	7.2	0.2
NEPA No-Action Alternative[d]	1.4	0.6	0.3	<0.1
Net Change[e]	20.0	5.3	6.8	0.2
de minimis Level[f]	100	100	100	100

Source: Appendix A

a. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

b. Total $PM_{2.5}$ emissions consist of exhaust and fugitive dust emissions.

c. Refer to Table 3-26 for emissions by source.

d. Refer to Table 3-13 for emissions by source.

e. Total project (2040) emissions minus NEPA No-Action Alternative (2040) emissions.

f. The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; ROG = reactive organic gases; SO_2 = sulfur dioxide

Table 3-41. Estimated Annual Unmitigated Criteria Pollutant Emissions from Concurrent Construction and Net Partial Operation of NEPA Build Alternative 1 with the CUP Option [a]

Select Construction Year[b]	Annual (tons per year)			
	ROG	NO_X	$PM_{2.5}$ (total)[c]	SO_2
2034[d]	14	23	4	< 1
2035[d]	17	22	4	< 1

Select Construction Year[b]	Annual (tons per year)			
	ROG	NO_X	$PM_{2.5}$ (total)[c]	SO_2
2036[d]	14	12	4	< 1
2037[e]	18	23	6	< 1
2038[e]	21	24	6	< 1
2039[e]	19	13	5	< 1
de minimis Level[f]	100	100	100	100

Source: Appendix A

a. Values are rounded to the nearest whole number. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

b. The CUP would be constructed in 2034 and 2035 and begin operation in 2037. Emissions during years prior to 2034 would be the same as presented in Table 3-23 for NEPA Build Alternative 1.

c. Total emissions consist of exhaust and fugitive dust emissions.

d. Unmitigated construction emissions (Table 3-39 for 2034 and 2035; Table 3-21 for 2036) plus unmitigated operational emissions from buildings constructed during Phase 1. Operational emissions were quantified under 2031 opening conditions and held constant in 2032 and 2033. Emissions from existing land uses under 2031 conditions are subtracted from the operational results.

e. Unmitigated construction emissions (Table 3-21) plus unmitigated operational emissions from buildings constructed during Phases 1 and 2. Operational emissions were quantified under 2034 opening conditions and held constant in 2035 and 2036. Emissions from existing land uses under 2034 conditions are subtracted from the operational results.

f. The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; ROG = reactive organic gases; SO_2 = sulfur dioxide; — = no threshold

Table 3-42. Estimated Average Daily Unmitigated and Mitigated ROG Emissions from Construction of Phase 4 Under the CEQA Proposed Project with the Variant[a]

Selected Construction Year[b]	Average Daily (pounds per day)[c]	
	Unmitigated	With Mitigation[d]
2036	15	6
2037	10	3
2038	26	10
2039	19	7
Air District Threshold[e]	54	54

Source: Appendix A

a. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. The intensity of construction for the CEQA Proposed Project with or without the Variant would be the same, except for architectural coatings during Phase 4. Emissions of all pollutants except ROG during Phase 4 (2036–2039) would be the same as presented in Tables 3-15 (unmitigated) and 3-16 (mitigated) for the CEQA Proposed Project.

c. Presents the average emissions estimate during a single day of construction in each year.

d. Emissions results include implementation of Mitigation Measures AQ-1 and AQ-4. Mitigation Measures AQ-2 and HAZ-1 are not quantified; Mitigation Measure GHG-1 is partially quantified (off-road engine controls). Mitigation Measures AQ-3 and HAZ-1 would not reduce ROG emissions.

e. In developing the average daily thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA. The Air District also considers fugitive dust emissions significant without application of BMPs.

ROG = reactive organic gases

Table 3-43. Estimated Average Daily and Annual Unmitigated Criteria Pollutant Emissions from Operation of the CEQA Proposed Project with the Variant[a]

	Average Daily (pounds per day)				Annual (tons per year)			
Source	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]
Project (2040)								
Mobile	41.2	29.2	119.0	30.5	7.5	5.3	21.7	5.6
Area	68.2	0.6	0.1	0.1	12.4	0.1	< 0.1	< 0.1
Fugitive	8.2	< 0.1	< 0.1	< 0.1	1.5	< 0.1	< 0.1	< 0.1
Stationary	0.9	2.9	13.8	13.8	0.2	0.5	2.5	2.5
Total	118.4	32.7	133.0	44.4	21.6	6.0	24.3	8.1
Existing (2024)[c]	1.9	0.6	0.7	0.2	0.3	0.1	0.1	< 0.1
Net Change[d]	**116.6**	32.1	**132.3**	44.2	**21.3**	5.9	**24.2**	8.1
Air District Threshold[e]	54	54	82	54	10	10	15	10

Source: Appendix A

a. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c. Refer to Table 3-13 for emissions by source.

d. Total project (2040) emissions minus total existing (2024) emissions.

e. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-44. Estimated Average Daily and Annual Mitigated Criteria Pollutant Emissions from Operation of the CEQA Proposed Project with the Variant [a]

	Average Daily (pounds per day)				Annual (tons per year)			
Source	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]
Project (2040)								
Mobile	38.1	27.0	110.1	28.2	7.0	4.9	20.1	5.1
Area	48.9 [c]	< 0.1	< 0.1	< 0.1	8.9	< 0.1	< 0.1	< 0.1
Fugitive	8.2	< 0.1	< 0.1	< 0.1	1.5	< 0.1	< 0.1	< 0.1
Stationary	0.9	2.9	13.8	13.8	0.2	0.5	2.5	2.5
Total	96.1	29.9	123.9	42.0	17.5	5.4	22.6	7.7
Existing (2024)[d]	1.9	0.6	0.7	0.2	0.3	0.1	0.1	< 0.1
Net Change[e]	**94.2**	29.3	**123.3**	41.8	**17.2**	5.3	**22.5**	7.6
Air District Threshold[f]	54	54	82	54	10	10	15	10

Source: Appendix A

a. Emissions results include implementation of Mitigation Measures AQ-5, AQ-6, and TRAN-1. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c The mitigation analysis conservatively assumes only use of low-VOC paints (i.e., less than 50 grams per liter VOC), which is required, at a minimum, by Mitigation Measure AQ-5. The measure also requires no-VOC paints (i.e., less than 5 grams per liter of VOC) where locally (i.e., within 50 miles of the Project Site) and commercially available for the coating type. Where no-VOC paints are used, emissions would be less than presented above.

d. Refer to Table 3-13 for emissions by source.

e. Total project (2040) emissions minus total existing (2024) emissions.

f. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-45. Estimated Average Daily and Annual Unmitigated and Mitigated ROG Emissions from Concurrent Construction and Partial Operation of the CEQA Proposed Project with the Variant[a]

Selected Construction Year[b]	Average Daily (pounds per day)[c]		Annual (tons per year)[d]	
	Unmitigated	With Mitigation[e]	Unmitigated	With Mitigation[e]
2036	**86**	**65**	**16**	**12**
2037	**102**	**78**	**19**	**14**
2038	**118**	**85**	**21**	**15**
2039	**109**	**82**	**20**	**15**
Air District Threshold[f]	54	54	10	10

Source: Appendix A

a. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. The intensity of construction for the CEQA Proposed Project with or without the Variant would be the same, except for architectural coatings during Phase 4. Emissions of all pollutants except ROG during Phase 4 (2036–2039) would be the same as presented in Tables 3-19 (unmitigated) and 3-20 (mitigated) for the CEQA Proposed Project. For Phase 4 (2036–2039), results reflect construction emissions (Table 3-42) plus operational emissions from buildings constructed during Phases 1 through 3. Operational emissions were quantified under 2037 opening conditions and held constant in future years. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

c. Presents the average emissions estimate during a single day of construction in each year.

d. Presents the total emissions estimate during each year of construction.

e. Emissions results include implementation of Mitigation Measures AQ-1, AQ-4 through AQ-6, and TRAN-1. Mitigation Measures AQ-2 and HAZ-1 are not quantified; Mitigation Measure GHG-1 is partially quantified (off-road engine controls). Mitigation Measures AQ-3 and HAZ-1 would not reduce ROG emissions

f. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

ROG = reactive organic gases

Table 3-46. Estimated Annual Unmitigated ROG Emissions from Construction of NEPA Build Alternative 1 with the Sub-Alternative[a]

Selected Construction Year[b]	Annual (tons per year)[c]
	ROG
2036	3
2037	2
2038	5
2039	3
de minimis Level[d]	100

Source: Appendix A

a. Values are rounded to the nearest whole number. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

b. The intensity of construction for NEPA Build Alternative 1 with or without the with the Sub-Alternative would be the same, except for architectural coatings during Phase 4. Emissions of all pollutants except ROG during Phase 4 (2036–2039) would be the same as presented in Tables 3-21 for NEPA Build Alternative 1.

c. Presents the total emissions estimate during each year of construction.

d. The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

ROG = reactive organic gases

Table 3-47. Estimated Total Annual Unmitigated Criteria Pollutant Emissions from Operation of NEPA Build Alternative 1 with the Sub-Alternative[a]

	Annual (tons per year)			
Alternative	ROG	NO_X	$PM_{2.5}$ (total)[b]	SO_2
NEPA Build Alternative 1 with the Sub-Alternative[c]	21.6	6.0	8.1	0.2
NEPA No-Action Alternative[d]	1.4	0.6	0.3	< 0.1
Net Change[e]	20.2	5.4	7.8	0.2
de minimis Level[f]	100	100	100	100

Source: Appendix A

a. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

b. Total $PM_{2.5}$ emissions consist of exhaust and fugitive dust emissions.

c. Refer to Table 3-43 for emissions by source.

d. Refer to Table 3-13 for emissions by source.

e. Total project (2040) emissions minus NEPA No-Action Alternative (2040) emissions.

f. The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; ROG = reactive organic gases; SO_2 = sulfur dioxide; — = no threshold

Table 3-48. Estimated Annual Unmitigated ROG Emissions from Concurrent Construction and Net Partial Operation of NEPA Build Alternative 1 with the Sub-Alternative[a]

	Annual (tons per year)
Selected Construction Year[b]	ROG
2036	14
2037	18
2038	20
2039	19
de minimis Level[c]	100

Source: Appendix A

a. Values are rounded to the nearest whole number. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

b. The intensity of construction for NEPA Build Alternative 1 with or without the Sub-Alternative would be the same, except for architectural coatings during Phase 4. Emissions of all pollutants except ROG during Phase 4 (2036–2039) would be the same as presented in Tables 3-23 for NEPA Build Alternative 1. For Phase 4 (2036–2039), results reflect construction emissions (Table 3-46) plus operational emissions from buildings constructed during Phases 1 through 3. Operational emissions were quantified under 2037 opening conditions and held constant in future years. Emissions from existing land uses under 2037 conditions are subtracted from the operational results.

c. The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

ROG = reactive organic gases

Table 3-49. Estimated Average Daily Unmitigated Criteria Pollutant Emissions from Construction of the CEQA Reduced Density Alternative[a]

Year	Average Daily (pounds per day)[b]			
	ROG	NO_X	PM_{10} (exhaust)	$PM_{2.5}$ (exhaust)
2026	7	**73**	3	3
2027	9	**89**	3	3
2028	9	**84**	2	2
2029	10	**72**	2	2
2030	19	44	1	1
2031	15	**139**	4	3
2032	20	**180**	4	4
2033	29	**91**	2	2
2034	8	**85**	2	2
2035	25	**86**	2	2
2036	13	38	1	1
2037	10	**102**	2	2
2038	27	**105**	2	2
2039	17	42	< 1	< 1
Air District Threshold[c]	54	54	82	54

Source: Appendix A

a. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. Presents the average emissions estimate during a single day of construction in each year.

c. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA. The Air District also considers fugitive dust emissions significant without application of BMPs.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-50. Estimated Average Daily Mitigated Criteria Pollutant Emissions from Construction of the CEQA Reduced Density Alternative[a]

	Average Daily (pounds per day)[b]			
Year	ROG	NO_X	PM_{10} (exhaust)	$PM_{2.5}$ (exhaust)
2026	1	25	< 1	< 1
2027	2	20	1	1
2028	2	11	< 1	< 1
2029	3	9	< 1	< 1
2030	8	12	< 1	< 1
2031	4	29	1	1
2032	5	21	1	1
2033	11	15	< 1	< 1
2034	2	21	1	< 1
2035	10	15	< 1	< 1
2036	5	11	< 1	< 1

	Average Daily (pounds per day)[b]			
Year	ROG	NO_X	PM_{10} (exhaust)	$PM_{2.5}$ (exhaust)
2037	3	26	1	1
2038	10	16	< 1	< 1
2039	7	4	< 1	< 1
Air District Threshold[c]	54	54	82	54

Source: Appendix A

[a.] Emissions results include Mitigation Measures AQ-1 and AQ-4. Mitigation Measures AQ-2 and HAZ-1 are not quantified; Mitigation Measure GHG-1 is partially quantified (off-road engine controls). Mitigation Measures AQ-3 and HAZ-1 would not reduce ROG, NO_X, or PM exhaust emissions. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

[b.] Presents the average emissions estimate during a single day of construction in each year.

[c.] In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA. The Air District also considers fugitive dust emissions significant without application of BMPs.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-51. Estimated Average Daily and Annual Unmitigated Criteria Pollutant Emissions from Operation of the CEQA Reduced Density Alternative[a]

	Average Daily (pounds per day)				Annual (tons per year)			
Source	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]
Project (2040)								
Mobile	27.5	19.5	79.5	20.3	5.0	3.6	14.5	3.7
Area	48.4	0.6	0.1	0.1	8.8	0.1	< 0.1	< 0.1
Fugitive	4.1	< 0.1	< 0.1	< 0.1	0.8	< 0.1	< 0.1	< 0.1
Stationary	0.8	2.7	13.8	13.8	0.1	0.5	2.5	2.5
Total	80.9	22.8	93.4	34.2	14.8	4.2	17.0	6.2
Existing (2024)[c]	1.9	0.6	0.7	0.2	0.3	0.1	0.1	< 0.1
Net Change[d]	**79.0**	22.2	**92.7**	34.0	**14.4**	4.0	**16.9**	6.2
Air District Threshold[e]	54	54	82	54	10	10	15	10

Source: Appendix A

a. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c. Refer to Table 3-13 for emissions by source.

d. Total project (2040) emissions minus total existing (2024) emissions.

e. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-52. Estimated Average Daily and Annual Mitigated Criteria Pollutant Emissions from Operation of the CEQA Reduced Density Alternative[a]

	Average Daily (pounds per day)				Annual (tons per year)			
Source	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]
Project (2040)								
Mobile	25.4	18.0	73.5	18.8	4.6	3.3	13.4	3.4
Area	30.9 [c]	< 0.1	< 0.1	< 0.1	5.6	< 0.1	< 0.1	< 0.1
Fugitive	4.1	< 0.1	< 0.1	< 0.1	0.8	< 0.1	< 0.1	< 0.1
Stationary	0.8	2.7	13.8	13.8	0.1	0.5	2.5	2.5
Total	61.3	20.7	87.3	32.6	11.2	3.8	15.9	6.0
Existing (2024)[d]	1.9	0.6	0.7	0.2	0.3	0.1	0.1	< 0.1
Net Change[e]	**59.4**	20.1	**86.7**	32.4	**10.8**	3.7	**15.8**	5.9
Air District Threshold[f]	54	54	82	54	10	10	15	10

Source: Appendix A

a. Emissions results include implementation of Mitigation Measures AQ-5, AQ-6, and TRAN-1. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c The mitigation analysis conservatively assumes only use of low-VOC paints (i.e., less than 50 grams per liter VOC), which is required, at a minimum, by Mitigation Measure AQ-5. The measure also requires no-VOC paints (i.e., less than 5 grams per liter of VOC) where locally (i.e., within 50 miles of the Project Site) and commercially available for the coating type. Where no-VOC paints are used, emissions would be less than presented above.

d. Refer to Table 3-13 for emissions by source.

e. Total project (2040) emissions minus total existing (2024) emissions.

f. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-53. Estimated Average Daily and Annual Unmitigated Criteria Pollutant Emissions from Concurrent Construction and Partial Operation of the CEQA Reduced Density Alternative[a]

Year	Average Daily (pounds per day)				Annual (tons per year)			
	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]
2031 [c]	34	**146**	39	14	6	**27**	7	2
2032 [c]	39	**186**	38	14	7	**34**	7	3
2033 [c]	48	**97**	33	11	9	**18**	6	2
2034 [d]	**54**	**99**	74	26	10	**18**	13	5
2035 [d]	**70**	**101**	69	25	**13**	**18**	13	5
2036 [d]	**59**	52	64	23	**11**	10	12	4
2037 [e]	**71**	**120**	**92**	32	**13**	**22**	**17**	6
2038 [e]	**88**	**123**	**87**	31	**16**	**23**	**16**	6
2039 [e]	**76**	**56**	77	28	**14**	**10**	14	5
Air District Threshold [f]	54	54	82	54	10	10	15	10

Source: Appendix A

[a.] Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

[b.] Total emissions consist of exhaust and fugitive dust emissions.

[c.] Unmitigated construction emissions (Table 3-49) plus unmitigated operational emissions from buildings constructed during Phase 1. Operational emissions were quantified under 2031 opening conditions and held constant in 2032 and 2033. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

[d.] Mitigated construction emissions (Table 3-49) plus mitigated operational emissions from buildings constructed during Phases 1 and 2. Operational emissions were quantified under 2034 opening conditions and held constant in 2035 and 2036. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

[e.] Mitigated construction emissions (Table 3-49) plus mitigated operational emissions from buildings constructed during Phases 1 through 3. Operational emissions were quantified under 2037 opening conditions and held constant in 2038 and 2039. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

[f.] In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-54. Estimated Average Daily and Annual Mitigated Criteria Pollutant Emissions from Concurrent Construction and Net Partial Operation of the CEQA Reduced Density Alternative[a]

	Average Daily (pounds per day)				Annual (tons per year)			
Year	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]
2031[c]	19	35	33	11	3	6	6	2
2032[c]	19	27	33	11	4	5	6	2
2033[c]	26	20	30	10	5	4	6	2
2034[d]	38	35	68	23	7	6	12	4
2035[d]	46	29	64	22	8	5	12	4
2036[d]	41	24	59	21	8	4	11	4
2037[e]	49	42	**85**	30	9	8	**16**	5
2038[e]	**56**	33	81	29	**10**	6	15	5
2039[e]	52	20	72	26	9	4	13	5
Air District Threshold[f]	54	54	82	54	10	10	15	10

Source: Appendix A

[a.] Construction emissions include Mitigation Measures AQ-1, AQ-3, and AQ-4 (Mitigation Measures AQ-2 and HAZ-1 are not quantified; Mitigation Measure GHG-1 is partially quantified [off-road engine controls]). Operational emissions include Mitigation Measures AQ-5, AQ-6, and TRAN-1. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

[b.] Total emissions consist of exhaust and fugitive dust emissions.

[c.] Mitigated construction emissions (Table 3-50) plus mitigated operational emissions from buildings constructed during Phase 1. Operational emissions were quantified under 2031 opening conditions and held constant in 2032 and 2033. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

[d.] Unmitigated Construction emissions (Table 3-50) plus unmitigated operational emissions from buildings constructed during Phases 1 and 2. Operational emissions were quantified under 2034 opening conditions and held constant in 2035 and 2036. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

[e.] Unmitigated Construction emissions (Table 3-50) plus unmitigated operational emissions from buildings constructed during Phases 1 through 3. Operational emissions were quantified under 2037 opening conditions and held constant in 2038 and 2039. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

[f.] In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-55. Estimated Annual Unmitigated Criteria Pollutant Emissions from Construction of NEPA Build Alternative 2[a]

	Annual (tons per year)[b]			
Year	ROG	NO_X	$PM_{2.5}$ (total)[c]	SO_2
2026	1	6	< 1	< 1
2027	2	16	1	< 1
2028	2	15	1	< 1
2029	2	13	1	< 1
2030	3	8	1	< 1
2031	3	25	1	< 1
2032	4	33	1	< 1
2033	5	17	1	< 1
2034	2	15	1	< 1
2035	4	16	1	< 1
2036	2	7	< 1	< 1
2037	2	19	1	< 1
2038	5	19	1	< 1
2039	3	7	< 1	< 1
de minimis Level[d]	100	100	100	100

Source: Appendix A

a. Values are rounded to the nearest whole number. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

b. Presents the total emissions estimate during each year of construction.

c. Total $PM_{2.5}$ emissions consist of exhaust and fugitive dust emissions.

d. The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; ROG = reactive organic gases; SO_2 = sulfur dioxide

Table 3-56. Estimated Total Annual Unmitigated Criteria Pollutant Emissions from Operation of Build Alternative 2[a]

	Annual (tons per year)			
Alternative	ROG	NO_X	$PM_{2.5}$ (total)[b]	SO_2
NEPA Build Alternative 2[c]	14.8	4.2	6.2	0.1
NEPA No-Action Alternative[d]	1.4	0.6	0.3	< 0.1
Net Change[e]	13.3	3.6	5.9	0.1
de minimis Level[f]	100	100	100	100

Source: Appendix A

a. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

b. Total $PM_{2.5}$ emissions consist of exhaust and fugitive dust emissions.

c. Refer to Table 3-51 for emissions by source.

d. Refer to Table 3-13 for emissions by source.

e. Total project (2040) emissions minus NEPA No-Action Alternative (2040) emissions.

f. The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; ROG = reactive organic gases; SO_2 = sulfur dioxide

Table 3-57. Estimated Annual Unmitigated Criteria Pollutant Emissions from Concurrent Construction and Net Partial Operation of NEPA Build Alternative 2[a]

	Annual (tons per year)			
Year	ROG	NO_X	$PM_{2.5}$ (total)[b]	SO_2
2031[c]	5	26	2	< 1
2032[c]	6	33	2	< 1
2033[c]	8	17	2	< 1
2034[d]	9	18	4	< 1
2035[d]	12	18	4	< 1
2036[d]	10	9	4	< 1
2037[e]	12	21	6	< 1
2038[e]	15	22	5	< 1
2039[e]	13	10	5	< 1
de minimis Level[f]	100	100	100	100

Source: Appendix A

a. Values are rounded to the nearest whole number. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c. Unmitigated construction emissions (Table 3-55) plus unmitigated operational emissions from buildings constructed during Phase 1. Operational emissions were quantified under 2031 opening conditions and held constant in 2032 and 2033. Emissions from existing land uses under 2031 conditions are subtracted from the operational results.

d. Unmitigated construction emissions (Table 3-55) plus unmitigated operational emissions from buildings constructed during Phases 1 and 2. Operational emissions were quantified under 2034 opening conditions and held constant in 2035 and 2036. Emissions from existing land uses under 2034 conditions are subtracted from the operational results.

e. Unmitigated construction emissions (Table 3-55) plus unmitigated operational emissions from buildings constructed during Phases 1 through 3. Operational emissions were quantified under 2037 opening conditions and held constant in 2038 and 2039. Emissions from existing land uses under 2037 conditions are subtracted from the operational results.

f. The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; ROG = reactive organic gases; SO_2 = sulfur dioxide

Table 3-58. Estimated Average Daily Unmitigated and Mitigated ROG Emissions from Construction of Phase 4 under the CEQA Reduced Density Alternative with the Variant[a]

	Average Daily (pounds per day)[c]	
Selected Construction Year[b]	Unmitigated	With Mitigation[d]
2036	13	5
2037	10	3

	Average Daily (pounds per day)[c]	
Selected Construction Year[b]	Unmitigated	With Mitigation[d]
2038	26	10
2039	17	7
Air District Threshold[e]	54	54

Source: Appendix A

a. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. The intensity of construction for the CEQA Proposed Project with or without the Variant would be the same, except for architectural coatings during Phase 4. Emissions of all pollutants except ROG during Phase 4 (2036–2039) would be the same as presented in Tables 3-49 (unmitigated) and 3-50 (mitigated) for the CEQA Reduced Density Alternative.

c. Presents the average emissions estimate during a single day of construction in each year.

d. Emissions results include implementation of Mitigation Measures AQ-1 and AQ-4. Mitigation Measures AQ-2 and HAZ-1 are not quantified; Mitigation Measure GHG-1 is partially quantified (off-road engine controls). Mitigation Measures AQ-3 and HAZ-1 would not reduce ROG emissions.

e. In developing the average daily thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA. The Air District also considers fugitive dust emissions significant without application of BMPs.

ROG = reactive organic gases

Table 3-59. Estimated Average Daily and Annual Unmitigated Criteria Pollutant Emissions from Operation of the CEQA Reduced Density Alternative with the Variant[a]

	Average Daily (pounds per day)				Annual (tons per year)			
Source	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]
Project (2040)								
Mobile	28.3	20.1	81.9	21.0	5.2	3.7	14.9	3.8
Area	48.2	0.6	0.1	0.1	8.8	0.1	< 0.1	< 0.1
Fugitive	4.6	< 0.1	< 0.1	< 0.1	0.8	< 0.1	< 0.1	< 0.1
Stationary	0.9	2.9	13.8	13.8	0.2	0.5	2.5	2.5
Total	82.0	23.6	95.8	34.9	15.0	4.3	17.5	6.4
Existing (2024)[c]	1.9	0.6	0.7	0.2	0.3	0.1	0.1	< 0.1
Net Change[d]	**80.2**	23.0	**95.2**	34.7	**14.6**	4.2	**17.4**	6.3
Air District Threshold[e]	54	54	82	54	10	10	15	10

Source: Appendix A

a. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c. Refer to Table 3-13 for emissions by source.

d. Total project (2040) emissions minus total existing (2024) emissions.

e. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-60. Estimated Average Daily and Annual Mitigated Criteria Pollutant Emissions from Operation of the CEQA Reduced Density Alternative with the Variant[a]

	Average Daily (pounds per day)				Annual (tons per year)			
Source	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]	ROG	NO_X	PM_{10} (total)[b]	$PM_{2.5}$ (total)[b]
Project (2040)								
Mobile	26.2	18.6	75.8	19.4	4.8	3.4	13.8	3.5
Area	30.5 [c]	< 0.1	< 0.1	< 0.1	5.6	< 0.1	< 0.1	< 0.1
Fugitive	4.6	< 0.1	< 0.1	< 0.1	0.8	< 0.1	< 0.1	< 0.1
Stationary	0.9	2.9	13.8	13.8	0.2	0.5	2.5	2.5
Total	62.2	21.4	89.6	33.2	11.4	3.9	16.3	6.1
Existing (2024)[d]	1.9	0.6	0.7	0.2	0.3	0.1	0.1	< 0.1
Net Change[e]	**60.3**	20.9	**88.9**	33.0	**11.0**	3.8	**16.2**	6.0
Air District Threshold[f]	54	54	82	54	10	10	15	10

Source: Appendix A

a. Emissions results include implementation of Mitigation Measures AQ-5, AQ-6, and TRAN-1. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. Total emissions consist of exhaust and fugitive dust emissions.

c The mitigation analysis conservatively assumes only use of low-VOC paints (i.e., less than 50 grams per liter VOC), which is required, at a minimum, by Mitigation Measure AQ-5. The measure also requires no-VOC paints (i.e., less than 5 grams per liter of VOC) where locally (i.e., within 50 miles of the Project Site) and commercially available for the coating type. Where no-VOC paints are used, emissions would be less than presented above.

d. Refer to Table 3-13 for emissions by source.

e. Total project (2040) emissions minus total existing (2024) emissions.

f. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; PM_{10} = particulate matter 10 microns or less in diameter; ROG = reactive organic gases

Table 3-61. Estimated Average Daily and Annual Unmitigated and Mitigated ROG Emissions from Concurrent Construction and Partial Operation of the CEQA Reduced Density Alternative with the Variant[a]

Selected Construction Year[b]	Average Daily (pounds per day)[c]		Annual (tons per year)[d]	
	Unmitigated	With Mitigation[e]	Unmitigated	With Mitigation[e]
2036	**59**	41	**11**	8
2037	**71**	49	**13**	9
2038	**86**	**55**	**16**	**10**
2039	**76**	52	**14**	10
Air District Threshold[f]	54	54	10	10

Source: Appendix A

a. Values are rounded to the nearest whole number. Exceedances of Air District thresholds (if any) are shown in **bold** with underline.

b. The intensity of construction for the CEQA Reduced Density Alternative with or without the Variant would be the same, except for architectural coatings during Phase 4. Emissions of all pollutants except ROG during Phase 4 (2036–2039) would be the same as presented in Tables 3-53 (unmitigated) and 3-54 (mitigated) for the CEQA Reduced Density Alternative. For Phase 4 (2036–2039), results reflect construction emissions (Table 3-46) plus operational emissions from buildings constructed during Phases 1 through 3. Operational emissions were quantified under 2037 opening conditions and held constant in future years. Emissions from existing land uses (Table 3-13) are subtracted from the operational results.

c. Presents the average emissions estimate during a single day of construction in each year.

d. Presents the total emissions estimate during each year of construction.

e. Emissions results include implementation of Mitigation Measures AQ-1, AQ-4 through AQ-6, and TRAN-1. Mitigation Measures AQ-2 and HAZ-1 are not quantified; Mitigation Measure GHG-1 is partially quantified (off-road engine controls). Mitigation Measures AQ-3 and HAZ-1 would not reduce ROG emissions.

f. In developing the thresholds, the Air District considered levels at which project emissions are cumulatively considerable. Consequently, exceedances of project-level thresholds would be cumulatively considerable under CEQA.

ROG = reactive organic gases

Table 3-62. Estimated Annual Unmitigated ROG Emissions from Construction of NEPA Build Alternative 2 with the Sub-Alternative[a]

Selected Construction Year[b]	Annual (tons per year)[c]
	ROG
2036	2
2037	2
2038	5
2039	3
de minimis Level[d]	100

Source: Appendix A

a. Values are rounded to the nearest whole number. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

b. The intensity of construction for NEPA Build Alternative 2 with or without the with Sub-Alternative would be the same, except for architectural coatings during Phase 4. Emissions of all pollutants except ROG during Phase 4 (2036–2039) would be the same as presented in Tables 3-55 for NEPA Build Alternative 2.

c. Presents the total emissions estimate during each year of construction.

d. The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

ROG = reactive organic gases

Table 3-63. Estimated Total Annual Unmitigated Criteria Pollutant Emissions from Operation of NEPA Build Alternative 2 with the Sub-Alternative

	Annual (tons per year)			
Alternative	ROG	NO_X	$PM_{2.5}$ (total)[b]	SO_2
NEPA Build Alternative 2 with the Sub-Alternative[c]	15.0	4.3	6.4	0.1
NEPA No-Action Alternative[d]	1.4	0.6	0.3	<0.1
Net Change[e]	13.5	3.7	6.0	0.1
de minimis Level[f]	100	100	100	100

Source: Appendix A

[a.] Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

[b.] Total $PM_{2.5}$ emissions consist of exhaust and fugitive dust emissions.

[c.] Refer to Table 3-59 for emissions by source.

[d.] Refer to Table 3-13 for emissions by source.

[e.] Total project (2040) emissions minus NEPA No-Action Alternative (2040) emissions.

[f.] The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

NO_X = nitrogen oxides; $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter; ROG = reactive organic gases; SO_2 = sulfur dioxide

Table 3-64. Estimated Annual Unmitigated ROG Emissions from Concurrent Construction and Net Partial Operation of NEPA Build Alternative 2 with the Sub-Alternative[a]

	Annual (tons per year)
Selected Construction Year[b]	ROG
2036	10
2037	12
2038	15
2039	13
de minimis Level[c]	100

Source: Appendix A

[a.] Values are rounded to the nearest whole number. Exceedances of *de minimis* levels (if any) are shown in **bold** with underline.

[b.] The intensity of construction for NEPA Build Alternative 2 with or without the Sub-Alternative would be the same, except for architectural coatings during Phase 4. Emissions of all pollutants except ROG during Phase 4 (2036–2039) would be the same as presented in Tables 3-57 for NEPA Build Alternative 2. For Phase 4 (2036–2039), results reflect construction emissions (Table 3-46) plus operational emissions from buildings constructed during Phases 1 through 3. Operational emissions were quantified under 2037 opening conditions and held constant in future years. Emissions from existing land uses under 2037 conditions are subtracted from the operational results.

[c.] The *de minimis* levels drawn from 40 CFR Section 93.153 and are based on the project area attainment status for the NAAQS (see Table 3-3). Although the project area is in attainment for SO_2, because SO_2 is a precursor for $PM_{2.5}$, the $PM_{2.5}$ *de minimis* level applies. Exceedances of the *de minimis* levels would be adverse under NEPA.

ROG = reactive organic gases

Appendix C
Health Risk Assessment Technical Appendix

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A.1 CEQA Proposed Project (NEPA Build Alternative 1)

A.1.1 Construction

A1.1.1 AERMOD Unmitigated Emission Rate Calculations

The Microsoft Excel spreadsheets show the unmitigated construction emission rate calculations for both DPM and $PM_{2.5}$ for input into each AERMOD source for each phase of construction under the CEQA Proposed Project.

A1.1.2 AERMOD Mitigated Emission Rate Calculations

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The Microsoft Excel spreadsheets show the cancer risk calculations for each HRA scenario, including both construction and operations at each receptor location under the CEQA Proposed Project.

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B1.3.1 Cancer Risks

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The Microsoft Excel spreadsheets show the mitigated construction emission rate calculations for both DPM and $PM_{2.5}$ for input into each AERMOD source for each phase of construction under the Alternative 1 with WRF Option.

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D.1.1 Construction

D1.1.1 AERMOD Unmitigated Emission Rate Calculations

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E.1 CEQA Reduced Density Alternative (NEPA Build Alternative 2)

E.1.1 Construction

E1.1.1 AERMOD Unmitigated Emission Rate Calculations

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E.1.2 Operations

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E1.3.3 $PM_{2.5}$ Concentrations

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F.1 CEQA Reduced Density Alternative (Build Alternative 2) with Variant

F.1.1 Construction

F1.1.1 AERMOD Unmitigated Emission Rate Calculations

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F.1.2 Operations

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F.1.3 Health Risk Results Summaries

F1.3.1 Cancer Risks

The Microsoft Excel spreadsheets show the cancer risk calculations for each HRA scenario, including both construction and operations at each receptor location under the CEQA Reduced Density Alternative with the Variant.

F1.3.2 Non-Cancer Hazard Risks

The Microsoft Excel spreadsheets show the non-cancer hazard risk calculations, including both construction and operations at each receptor location under the CEQA Reduced Density Alternative with the Variant.

F1.3.3 $PM_{2.5}$ Concentrations

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F1.3.4 Cumulative Health Risks

The Microsoft Excel spreadsheets show the cumulative health risk calculations, including both construction and operations at the maximally affected receptor locations under the CEQA Reduced Density Alternative with the Variant.