

SoCalGas Honor Rancho Compressor Modernization Project – SCE Component

Air Quality and Greenhouse Gas Technical Summary Memorandum

prepared for

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1 Project Description

1.1 Introduction

This memorandum summarizes the results of air quality and greenhouse gas (GHG) analyses previously completed by Yorke Engineering as they relate to the component of the Honor Rancho Compressor Modernization (HRCM) Project that would be constructed and operated by Southern California Edison (SCE; hereinafter “SCE Component”).

This technical memorandum includes a description of the detailed data and methodologies that were used to analyze impacts from criteria pollutant, toxic air contaminant (TAC), and GHG emissions related to construction and operation of the SCE Component of the proposed HRCM Project. Criteria pollutant, TAC, and GHG emissions associated with the SCE Component of the HRCM Project and the effect of the emissions on air quality are compared to relevant significance thresholds to determine the significance of potential impacts.

1.2 Project Location

The Honor Rancho Storage Field (Facility ID #005973) is an existing natural gas storage site in the city of Santa Clarita and unincorporated Los Angeles County, California, which is within the jurisdiction of the South Coast Air Quality Management District (South Coast AQMD or SCAQMD). The facility is located at 25205 West Rye Canyon Road in the City of Santa Clarita, County of Los Angeles, California. Honor Rancho is SoCalGas’s second largest underground storage field, spanning 660 acres, and has been safely operating since 1975.

The South Coast AQMD adopted more stringent air emissions requirements as a result of the mandated sunset of the Regional Clean Air Incentives Market (RECLAIM) program for nitrogen oxides (NO_x) emissions and the transition to a command-and control regulatory regime. SoCalGas is proposing the HRCM Project to modernize the compression equipment at this station to comply with South Coast AQMD Rule 1110.2, “Emissions from Gaseous and Liquid-Fueled Engines,” and Rule 1100, “Implementation Schedule for NO_x Facilities.” The HRCM Project also furthers SoCalGas’s efforts to support California’s climate change goals and enhance reliability by modernizing aging equipment.

The HRCM Project would be primarily located within the more developed portion of Honor Rancho, which includes graded areas, paved roads, storage tanks, wells, pipeline infrastructure, Compressor Plant No. 1, and temporary office structures, all of which are collectively referred to as the “Main Campus.”

Land use in the area around Honor Rancho includes correctional facilities and undeveloped land to the north and west, commercial shopping centers to the east and south, and the SCE Pardee Substation to the south. Major transportation corridors include Interstate 5 to the west and Newhall Ranch Road/State Route (SR) 126 to the south. Primary access to the Honor Rancho site is from the facility entrance on West Rye Canyon Road. The geologic setting of Honor Rancho makes it uniquely suited to natural gas storage. The facility is situated on porous rock formations that have been natural reservoirs of oil and gas for millions of years. These subterranean rock formations are sealed by impermeable shale rock more than 2,000 feet thick and more than a mile beneath the Earth’s

surface. Natural gas is injected and withdrawn from the storage field to balance supply and demand for SoCalGas customers.

1.3 Project Overview

The infrastructure at Honor Rancho currently consists of five natural gas driven compressor (GDC) lean-burn engines, a dehydration system, pipelines, ancillary equipment, several underground wells primarily for gas storage, and multiple buildings.

The proposed HRCM Project includes compressor system upgrades that would be constructed and operated by SoCalGas, and one component that would be constructed and operated by SCE, referred to as the SoCalGas Component and the SCE Component, respectively. The compressor system upgrades would be constructed on site within the Main Campus and immediately adjacent areas within Honor Rancho. The majority of the SCE Component would also be within Honor Rancho, although some of the SCE Component would require off-site staging and electric utility improvements. The HRCM Project components are summarized below.

SoCalGas Component

1. **Compressor System Upgrades:** Including one new compressor building (Compressor Plant No. 2) to house four new GDC lean-burn engines (each rated at 5,000 horsepower [HP]) (South Coast AQMD Permit Application Numbers: 638015, 638018, 638020, and 638022), and two new electric-motor-driven compressors (EDCs) (each rated at 5,500 HP), complete with post-combustion emission control systems for the GDC lean-burn engines, each consisting of a Selective Catalytic Reduction (SCR) system and an oxidation catalyst for NO_x control purposes (South Coast AQMD Permit Application Numbers: 638016, 638019, 638021, and 638023), and an aqueous urea storage tank (South Coast AQMD Permit Application Number: 638024) as well as ancillary improvements.

SCE Component

2. **SCE Substation and Upgrades:** A new SCE substation (Retention Substation) connecting to two new loop-in 66-kilovolt (kV) electrical lines, new and replacement electrical poles, and electrical interconnection to support the increased electric load associated with the new EDCs, as well as telecommunication interconnections. A circuit breaker would be replaced/upgraded at the Saugus Substation, and upgrades to protection settings would be required at the Haskell and Lockheed Substations.

1.4 Final Program EIR for the 2016 AQMD and the Final SEA for Rule 1110.2 and Rule 1100

The Final Environmental Impact Report (EIR) for the 2016 Air Quality Management Plan (AQMP) identified potential adverse impacts that may result from implementing the 2016 AQMP, including control measures and strategies. The analysis concluded that significant and unavoidable adverse air quality impacts related to construction could result from implementing the emissions control measures adopted for the 2016 AQMP and could occur even after applying mitigation measures for construction.

The South Coast AQMD completed a Subsequent Environmental Assessment (SEA) for Amended Rule 1110.2 and Rule 1100 in October 2019 that tiered off the 2016 AQMP Final EIR. The South

Coast AQMD prepared the SEA to facilitate the transition of affected equipment subject to the NO_x RECLAIM program to a command-and-control regulatory structure and to implement Control Measure CMB-05. A scenario involving a facility-wide replacement of existing GDCs was specifically analyzed in the Final SEA for Rule 1110.2 and Rule 1100, but the construction and operation of new electrical infrastructure, including a new substation and associated upgrades, were not.

As described above, the proposed HRCM Project includes the SoCalGas Component (compressor system upgrades) and the SCE Component (Retention Substation, 66-kV electrical lines, and other associated electrical infrastructure upgrades). The SoCalGas Component's scope of the HRCM Project is included within the scenario analyzed in the Final Program EIR for the 2016 AQMP and the SEA for Amended Rule 1110.2 and Rule 1100; however, the SCE Component's scope is not included. Therefore, this memorandum analyzes the potential impacts from the SCE Component and changes to the Project from that which was previously analyzed in the SEA for Amended Rules 1110.2 and 1100, and in the Final Program EIR for the 2016 AQMP.

The purpose of this memorandum is to determine whether implementation of the SCE Component would result in any new significant environmental impacts not identified or analyzed in either the previously certified November 2019 Final SEA for Rule 1110.2 and Rule 1100 or the March 2017 Final Program EIR for the 2016 AQMP. This memorandum also analyzes whether any previously identified significant effects would be substantially more severe under the SCE Component. This memorandum further analyzes whether implementation of the SCE Component would require new or modified mitigation measures or alternatives to be studied that were not previously analyzed in the March 2017 Final Program EIR for the 2016 AQMP and the November 2019 Final SEA for Rule 1110.2 and Rule 1100.

2 Air Quality Impact Analysis

In order to evaluate the regional potential for air quality impacts of a proposed project, quantitative significance criteria established by the local air quality agency, such as the South Coast AQMD, may be relied upon to make significance determinations based on emissions of criteria pollutants and TACs, as presented in this memorandum. The air quality impact analyses were prepared in accordance with the South Coast AQMD's emissions calculations approach, LST methodology (2008), and HRA guidelines. The LST methodology was used to analyze the neighborhood scale impacts of NO_x, carbon monoxide (CO), respirable particulate matter (PM₁₀), and fine particulate matter (PM_{2.5}) associated with Project-specific mass emissions. A screening HRA was used to show the health risks from construction. As shown below, construction and operation of the SCE Component of the HRCM Project would not result in any regionally or locally significant effects relating to air quality.

2.1 Project Emissions Calculation Methodology

The following sections provide an overview of the SCE Component of the HRCM Project construction and operations emissions calculations methodologies.

Construction Activities Overview

The construction emission calculations presented in this memorandum were performed by Yorke Engineering, LLC (Yorke) using the California Emissions Estimator Model (CalEEMod) version 2022.1.1.24, the official statewide land use computer model. CalEEMod is designed to provide a uniform platform for estimating potential criteria pollutant and GHG emissions associated with both construction and operations of projects. Yorke completed modeling to evaluate potential air quality impacts associated with the larger HRCM Project, including both the SoCalGas Component and SCE Component. Emissions modeling was not revised to address the SCE Component of the HRCM Project exclusively; rather, Rincon reviewed CalEEMod inputs and outputs prepared by Yorke and summarized emissions specific to the SCE Component of the HRCM Project. The modeling outputs are provided in Appendix A.

The proposed SCE Component of the HRCM Project is expected to require approximately 7 months of planned construction work activities, composed of the following construction phases.

- a. SCE Retention Substation
- b. SCE Saugus Substation
- c. SCE 66 kV Subtransmission Work
- d. SCE Telecom

Please refer to the modeling outputs in Appendix A for more information related to construction activities, like construction schedules, nonroad equipment, mobile sources and other assumptions.

Operational Activities Overview

The term "Project operations" refers to the full range of activities that can or may generate criteria pollutant and TAC emissions when a project is functioning in its intended use. Negligible operational air pollutant emissions would be expected from the operation of the new SCE substation, substation upgrades, or lines due to minor vehicle emissions for maintenance trips. Consequently, operational

air quality impacts associated with the SCE Component of the HRCM Project are discussed qualitatively.

2.2 HRCM Project SCE Component Emission Calculations and CEQA Significance

The following sections provide an overview of the HRCM Project emission calculations and significance determinations for the SCE Component.

Construction

A project's construction phase produces many types of emissions. The use of diesel-powered construction equipment emits the ozone precursors NO_x and VOC, which contribute to regional ozone concentrations. Respirable and fine particulate matter ($\text{PM}_{10}/\text{PM}_{2.5}$) in diesel engine exhaust is referred to as diesel particulate matter (DPM) and is a pollutant of concern. Operation of heavy construction equipment contributes to fugitive dust levels. Construction-related emissions can cause temporary increases in localized concentrations of PM_{10} and $\text{PM}_{2.5}$, as well as affect compliance with ambient air quality standards on a regional basis. Use of architectural coatings and other materials associated with finishing buildings and equipment protection may also emit VOC and TACs.

PM_{10} and $\text{PM}_{2.5}$ are emitted during construction both as exhaust from equipment and vehicles and as fugitive dust from disturbance of unpaved areas including earthmoving, driving, and wind erosion. Fugitive dust emissions can vary greatly depending on the level of activity, the specific operations taking place, the equipment being operated, local soils, weather conditions, and other factors, making quantification difficult. Despite this variability in emissions, experience has shown that there are several feasible control measures that can be reasonably implemented to significantly reduce fugitive dust emissions from construction. Pursuant to Rule 403, Fugitive Dust, South Coast AQMD requires that all construction projects utilize Best Available Control Measures (BACMs) to minimize these emissions. Consistent with South Coast AQMD Rule 403, Fugitive Dust, the BACMs would include frequent water application to effectively control fugitive dust emissions from forming at greater than 20% opacity or crossing any property line. Although the SCE Component of the HRCM Project would not be a "Large Operation" as defined in Rule 403 (i.e., greater than 50 acres of disturbed area), the draft PTC issued by South Coast AQMD for the larger HRCM Project would require the HRCM Project to comply with the additional notification and fugitive dust controls applicable to Large Operations.

The use of Tier 4 engines on construction equipment of 50 HP or greater was incorporated into the analysis as a project design feature (PDF). As shown below, all construction impacts to air quality are less than significant with incorporation of this PDF.

Table 1 presents the peak daily emissions of each criteria pollutant for each phase of the SCE Component based on the CalEEMod outputs performed by Yorke and provided in Appendix A.

Table 1 Estimated Peak Daily Emissions (lb/day) for Each Construction Phase

Construction Phase	Year	VOC	NO _x	CO	SO ₂	Total PM ₁₀	Total PM _{2.5}
SCE Retention Substation	2025	5.4	9.7	106.5	0.1	0.7	0.3
SCE Saugus Substation	2025	0.1	0.5	4.0	0.0	0.2	0.1
SCE 66 kV Subtransmission Work	2025	3.2	9.8	75.8	0.1	1.1	0.4
SCE Telecom	2025	0.4	4.1	7.5	0.0	0.3	0.2
Single Phase Maximum		5.4	9.8	106.5	0.1	1.1	0.4
Threshold		75	100	550	150	150	55
Significant?		No	No	No	No	No	No

Notes: VOC = volatile organic compounds; NO_x = oxides of nitrogen; CO = carbon monoxide; SO₂ = sulfur dioxide; PM₁₀ = particulate matter with a diameter of 10 microns or less; PM_{2.5} = particulate matter with a diameter of 2.5 microns or less.

Source: Yorke Engineering, LLC. March 2025.

The construction schedule as reflected in the model outputs provided in Appendix A indicates that some of the phases could overlap. The significance of this potential phase overlap as it relates to peak daily emissions for criteria pollutants is shown in Table 2, where only phases with potential overlap are shown. The three potential maximum overlapping emissions scenarios for the SCE Component are:

- SCE Retention Substation + SCE Saugus Substation
- SCE Retention Substation + SCE 66 kV Subtransmission Work
- SCE Retention Substation + SCE 66 kV Subtransmission Work + SCE Telecom

Even with the conservative assumption that the peak daily emissions for multiple phases could occur on the same day, the peak day emissions shown in Table 2 remain below the significance thresholds during construction of the proposed SCE Component of the HRCM Project.

Table 2 Estimated Peak Daily Emissions (lb/day) for Overlapping Construction Phase

Construction Phase	Year	VOC	NO _x	CO	SO ₂	Total PM ₁₀	Total PM _{2.5}
SCE Retention Substation + SCE Saugus Substation	2025	5.5	10.2	110.5	0.1	0.9	0.4
SCE Retention Substation + SCE 66 kV Subtransmission Work	2025	8.6	19.5	182.3	0.2	1.8	0.7
SCE Retention Substation + SCE 66 kV Subtransmission Work + SCE Telecom	2025	9.0	23.6	189.8	0.2	2.1	0.9
Construction Maximum		9.0	23.6	189.8	0.2	2.1	0.9
Threshold		75	100	550	150	150	55
Significant?		No	No	No	No	No	No

Notes: VOC = volatile organic compounds; NO_x = oxides of nitrogen; CO = carbon monoxide; SO₂ = sulfur dioxide; PM₁₀ = particulate matter with a diameter of 10 microns or less; PM_{2.5} = particulate matter with a diameter of 2.5 microns or less.

Source: Yorke Engineering, LLC. March 2025.

Operation

Negligible operational air pollutant emissions would be expected from the operation of the new SCE substation, substation upgrades, or lines due to minor vehicle emissions for maintenance trips. Maintenance activities associated with the new SCE substation and electrical lines would be similar in nature to those that already occur for electrical infrastructure in the vicinity of the HRCM Project. As such, operation of the SCE Component of the HRCM Project would not result in emissions of criteria pollutants in excess of applicable South Coast AQMD thresholds of significance.

2.3 Localized Significance Analysis

The South Coast AQMD's LST methodology (2008) was used to analyze localized impacts of NO_x, CO, PM₁₀, and PM_{2.5} associated with Project-specific mass emissions. Introduced in 2003, the LST methodology was revised in 2008 to include the PM_{2.5} significance threshold methodology and update the LST mass rate lookup tables for the new 1-hour nitrogen dioxide (NO₂) standard.

For determining localized air quality impacts from small projects in a defined geographic source receptor area (SRA), the LST methodology provides mass emission rate lookup tables for 1-acre, 2-acre, and 5-acre parcels by SRA. The tabulated LSTs represent the maximum mass emissions from a project that will not cause or contribute to an exceedance of California or national ambient air quality standards (CAAQS or NAAQS) for the above pollutants and were developed based on ambient concentrations of these pollutants for each SRA in the South Coast Air Basin (South Coast AQMD 2008).

LSTs represent the maximum emissions from a project that are not expected to cause or contribute to an exceedance of the most stringent applicable federal or State ambient air quality standard and

are developed based on the ambient concentrations of that pollutant for each SRA and distance to the nearest sensitive receptor. For PM₁₀, LSTs are derived based on requirements in South Coast AQMD Rule 403, Fugitive Dust. The SCE Component of the HRCM Project is within SRA 13 – Santa Clarita Valley.

Construction

Although Honor Rancho is on a large property, the construction activities for the SCE Component of the HRCM Project will occur primarily at the SCE Retention Substation area. For this analysis the 1-acre LSTs were used for the active construction site, as construction of the Retention Substation is anticipated to occur on an approximately 1.45-acre site. The closest receptors to the SCE Component construction areas are a worker receptor approximately 900 feet (274 meters) south of the SCE Retention Substation site. For this analysis, the LST values for a 1-acre site were selected at 200 meters as the closest distance between the sites and receptors (South Coast AQMD 2008).

The results provided in Table 3 show that the on-site emissions from construction would be below the LST threshold at the nearest off-site receptor as described above.¹ Thus, the impacts would be less than significant.

Table 3 Peak Daily Construction Emissions (lb/day) Localized Significance Impacts

Construction Phase	NO _x	CO	Total PM ₁₀	Total PM _{2.5}
Construction Maximum	23.6	189.8	2.1	0.9
Threshold (SRA 13, 1-acre, 200 meters)	173	2,500	51	18
Significant?	No	No	No	No

Notes: NO_x = oxides of nitrogen; CO = carbon monoxide; SO₂ = sulfur dioxide; PM₁₀ = particulate matter with a diameter of 10 microns or less; PM_{2.5} = particulate matter with a diameter of 2.5 microns or less.

Source: Yorke Engineering, LLC. March 2025.

Operation

Negligible operational air pollutant emissions would be expected from the operation of the new SCE substation, substation upgrades, or lines due to minor vehicle emissions for maintenance trips. Maintenance activities associated with the new SCE substation and electrical lines would be similar in nature to those that already occur for electrical infrastructure in the vicinity of the HRCM Project. As such, operation of the SCE Component of the HRCM Project would not result in localized emissions of criteria pollutants in excess of applicable South Coast AQMD LSTs.

2.4 Health Risk Assessment

CEQA requires that the environmental impacts of a proposed project be identified and assessed. If these impacts are found to be significant, the impacts must be mitigated to the extent feasible. To analyze risk to human health from construction of the SCE Component of the HRCM Project, a

¹ Note that total project emissions (including both onsite and offsite sources) were conservatively used to represent onsite emissions for this analysis.

screening HRA was performed. The South Coast AQMD has defined significance criteria for health risks from TAC emissions (including carcinogens and non-carcinogens) based on health impact standards (South Coast AQMD 2023). Significant health risks are defined as a Maximum Individual Cancer Risk (MICR) of greater than or equal to 10 in one million, a Cancer Burden of greater than 0.5 excess cancer cases (in areas where cancer risk are greater than or equal to 1 in one million), and Chronic and Acute Hazard Indices (HIC and HIA) greater than or equal to 1.0 (Project increment).

Per the South Coast AQMD Risk Assessment Procedures (2017), residential receptor locations for determining the MICR include current residential land uses and areas that may be developed for residential uses in the future, given land use in the general area, as well as current residential receptors. Likewise, worker receptor locations include areas zoned for manufacturing, light or heavy industry, retail activity, or other locations that are regular work sites. In general, sensitive receptors include, but are not limited to, residences, hospitals, schools, daycare facilities, elderly housing, and convalescent facilities. These are areas where the occupants are more susceptible to the adverse effects of exposure to toxic chemicals, pesticides, and other pollutants. There are no schools within 1,000 feet of the HRCM Project, including the SCE Component.

For construction-based emissions, a screening level HRA was performed using the South Coast AQMD Tier 2 HRA Tool to conservatively estimate health risk for construction activities. The methodology used to develop the screening HRA is described below and in Appendix B and relied on the emissions modeling performed by Yorke and provided in Appendix A.

For the Tier 2 screening HRA, the source type, source characteristics (e.g., building area, horsepower, release height, etc.), project location (selected as the most representative meteorological site), TAC emission rates, and various receptor distances were inputted into the tool. The HRA tool calculates the MICR (which is the highest of cancer risks at the selected distances), Hazard Indices, and Cancer Burden, as applicable. The results are based on precomputed, conservative the American Meteorological Society (AMS)/ Environmental Protection Agency (EPA) Regulatory Model (AERMOD) simulations using the selected meteorological data, scaled by emission rates with impacts interpolated to the given distances. The HRCM Project-specific entries are discussed below and included in Appendix B of this memorandum.

Modeled Construction Emissions

The principal TAC emitted during construction of the SCE Component of the HRCM Project would be DPM from on-site diesel-powered equipment and on- and off-site trucks. DPM emissions were derived from the CalEEMod runs in Appendix A, where DPM was assumed to be the same amount as the total exhaust PM₁₀ emissions from construction equipment and diesel vehicle use. Onsite and local offsite emissions were conservatively included in the analysis. The specific emissions used in the Tier 2 HRA screening tool are shown in Appendix B.

Tier 2 HRA Screening Tool Inputs

The South Coast AQMD Tier 2 HRA screening tool was run using SCE Project Component emissions of PM₁₀ exhaust, which represents DPM emissions. The HRA analyzed impacts from the combined emissions of the SCE Retention Substation, the SCE 66 kV Subtransmission Work, and the SCE Telecom phases. The SCE Saugus Substation is not located near the other locations of the SCE Project Component and would not contribute to health risk impacts at nearby receptors. Furthermore, SCE Saugus Substation emissions are much smaller in magnitude and the exposure duration to receptors would be limited to only one month.

In addition to the emissions, the duration of construction activities was taken into account for the screening model. While construction of the SCE Component of the HRCM Project is anticipated to occur over approximately seven months, two- and five-year durations are the only options for short-term activities in the screening model. The duration of two years was selected for the SCE Retention Substation area. The total SCE Component emissions were divided by the duration in years to determine annual average emissions of 30.1 pounds per year (lb/yr)(see Appendix B for calculations).

The SCE Component’s construction schedule was modeled as eight hours per day, five days a week. The construction schedule will vary throughout the construction phases, but five eight hour days was used as a “worst case” scenario for the calculated Tier 2 worker risk. The worker adjustment factor (WAF) is used to model the ratio that workers are present during construction activities, assuming that all construction activities are conducted during normal work hours (8 am – 5 pm Monday through Friday) will result in the most conservative WAF of 4.2.

Like the LST analyses, SRA 13 was used for the site selection. All construction activities were modeled using the Diesel Reciprocating Internal Combustion Engines Source Type. The Tier 2 screening tool offers several ranges of engine sizes; as shown in Appendix A, the engine HP of equipment anticipated to be used for construction of the SCE Component of the HRCM Project varies from 5 to 350 HP, with most equipment falling within the 175 – 300 break horsepower (BHP) size range to account for average equipment type by project emissions.

The nearest residential receptor was approximately 2,600 feet (792.5) to the southwest of the HRCM Project. The nearest worker receptor is approximately 900 feet (274.3 meters) to the southeast of the HRCM Project. The nearest school receptor is approximately 2,600 feet (792.5 meters) to the northeast of the HRCM Project. A summary of the Tier 2 screening HRA input and output data are included in Appendix B.

Construction Tier 2 Screening HRA Results

The results of the construction Tier 2 screening HRA are summarized in Table 4. The risk from the SCE Component of the HRCM Project was compared to the South Coast AQMD Significance Thresholds. The results show that for all receptor types (MICR, resident, worker, and school), the predicted health risks are well below the South Coast AQMD cancer and non-cancer chronic health risk significance thresholds. Cancer burden was not calculated because maximum cancer risk is under 1 in a million.

Table 4 SCE Component Construction Tier 2 HRA Results

Location	Residential / MICR		Worker		School	
	Cancer (in a million)	HIC	Cancer (in a million)	HIC	Cancer (in a million)	HIC
SCE Retention Substation Area ¹	0.53	0.0003	0.11	0.001	0.53	0.0003
Threshold	10	0.1	10	0.1	10	0.1
Significant?	No	No	No	No	No	No
Notes: MICR = Maximum Individual Cancer Risk; HIC = chronic hazard index.						

¹ While the location refers to SCE Retention Substation area, the Tier 2 HRA models emissions from the SCE Retention Substation, SCE 66 kV Subtransmission Work, and SCE Telecom phases as construction during these phases would occur in generally the same area.

Source: Appendix B.

Operation

Negligible operational air pollutant emissions would be expected from the operation of the new SCE substation, substation upgrades, or lines due to minor vehicle emissions for maintenance trips. Such activities would not result in substantial emissions of TACs and, therefore, would not result in operational health risks in excess of South Coast AQMD health risk criteria.

3 Greenhouse Gas Emissions Impact Analysis

3.1 Climate Change and Greenhouse Gases

Climate change is the observed increase in the average temperature of the Earth's atmosphere and oceans along with other substantial changes in climate (such as wind patterns, precipitation, and storms) over an extended period of time. The term "climate change" is often used interchangeably with the term "global warming," but "climate change" is preferred to "global warming" because it helps convey that there are other changes in addition to rising temperatures. The baseline against which these changes are measured originates in historical records identifying temperature changes that have occurred in the past, such as during previous ice ages. The global climate is continuously changing, as evidenced by repeated episodes of substantial warming and cooling documented in the geologic record. The rate of change has typically been incremental, with warming or cooling trends occurring over the course of thousands of years. The past 10,000 years have been marked by a period of incremental warming, as glaciers have steadily retreated across the globe. However, scientists have observed acceleration in the rate of warming during the past 150 years. Per the United Nations Intergovernmental Panel on Climate Change (IPCC 2014), the understanding of anthropogenic warming and cooling influences on climate has led to a high confidence (95 percent or greater chance) that the global average net effect of human activities has been the dominant cause of warming since the mid-20th century (IPCC 2014).

Gases that absorb and re-emit infrared radiation in the atmosphere are called greenhouse gases (GHGs). The gases that are widely seen as the principal contributors to human-induced climate change include carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), fluorinated gases such as hydrofluorocarbons (HFCs) and perfluorocarbons (PFCs), and sulfur hexafluoride (SF₆). Water vapor is excluded from the list of GHGs because it is short-lived in the atmosphere and its atmospheric concentrations are largely determined by natural processes, such as oceanic evaporation.

GHGs are emitted by both natural processes and human activities. Of these gases, CO₂ and CH₄ are emitted in the greatest quantities from human activities. Emissions of CO₂ are largely by-products of fossil fuel combustion, whereas CH₄ results from off-gassing associated with agricultural practices and landfills. Observations of CO₂ concentrations, globally-averaged temperature, and sea level rise are generally well within the range of the extent of the earlier IPCC projections. The recently observed increases in CH₄ and N₂O concentrations are smaller than those assumed in the scenarios in the previous assessments. Each IPCC assessment has used new projections of future climate change that have become more detailed as the models have become more advanced.

Man-made GHGs, many of which have greater heat-absorption potential than CO₂, include fluorinated gases and SF₆ (CalEPA 2006). Different types of GHGs have varying global warming potentials (GWPs). The GWP of a GHG is the potential of a gas or aerosol to trap heat in the atmosphere over a specified timescale (generally, 100 years). Because GHGs absorb different amounts of heat, a common reference gas, CO₂, is used to relate the amount of heat absorbed to the amount of the gas emissions, referred to as "carbon dioxide equivalent" (CO₂e), and is the amount of a GHG emitted multiplied by its GWP. Carbon dioxide has a 100-year GWP of one. By contrast, methane CH₄ has a GWP of 25, meaning its global warming effect is 25 times greater than CO₂ on a molecule per molecule basis (IPCC 2007).

The accumulation of GHGs in the atmosphere regulates the earth's temperature. Without the natural heat trapping effect of GHGs, Earth's surface would be about 34° C cooler (CalEPA 2015). However, it is believed that emissions from human activities have elevated the concentration of these gases in the atmosphere beyond the level of naturally occurring concentrations.

The South Coast AQMD's significance threshold for GHG emissions is 10,000 metric tons (MT) CO₂e per year (South Coast AQMD 2023). This threshold is typically compared to construction GHG emissions that are amortized over the life of a project (usually 30 years) and added to the operational GHG emissions for determining significance.

3.2 Construction

Using CalEEMod with the construction data described in Section 2.1, direct on-site and off-site GHG emissions were estimated for construction of the SCE Component by Yorke. Indirect off-site GHG emissions were estimated to account for electric power used by the SCE Component of the HRCM Project, water conveyance, and solid waste disposal during the construction phase. CalEEMod also quantifies common refrigerant GHGs (abbreviated as "R" in the model output) used in air conditioning and refrigeration equipment, some of which are HFCs. The CalEEMod outputs for emissions modeling performed by Yorke are provided in Appendix A.

Table 5 shows a breakdown of construction GHG emissions over the SCE Component construction period. Table 5 also aggregates the CO₂e emissions for all construction phases and determines the 30-year amortization amount.

Table 5 Estimated Construction GHG Emissions (metric tons)

Construction Phase	CO ₂	CH ₄	N ₂ O	R	CO ₂ e
SCE Retention Substation	387	0.02	0.03	0.08	391
SCE Saugus Substation	8	< 0.01	< 0.01	< 0.01	8
SCE 66 kV Subtransmission Work	362	0.02	0.02	0.12	368
SCE Telecom	15	< 0.01	< 0.01	0.01	15
Total	772	0.06	0.07	0.22	782
Total 30-Year Amortized GHGs					26.1

Notes: CO₂ = carbon dioxide; CH₄ = methane; N₂O = nitrous oxide; CO₂e = carbon dioxide equivalents.

Source: Yorke Engineering, LLC. March 2025.

3.3 Operation

Although a new SCE substation and electrical interconnection would be constructed, operational GHG emissions would not be expected from a modern substation that limits leakage of SF₆ from transformers. As such, the construction GHG emissions presented in the Table 5 represent the total amortized SCE Component emissions. The projected increase in GHG emissions associated with the

SCE Component of the HRCM Project is less than the South Coast AQMD significance threshold of 10,000 MT CO₂e per year.

4 Conclusion

As described herein, construction and operation of the SCE Component of the HRCM Project would not result in criteria pollutant emissions in excess of South Coast AQMD thresholds of significance or localized emissions in excess of South Coast AQMD LSTs. Neither construction nor operation would result in health risks at nearby worker, residential, or school receptors in excess of applicable health risk criteria. Finally, annual GHG emissions, including amortized construction-related GHG emissions, associated with the SCE Component of the HRCM Project would remain below South Coast AQMD's 10,000 MT CO₂e per year threshold. With incorporation of a PDF requiring use of Tier 4 engines on construction equipment of 50 HP or greater and compliance with applicable South Coast AQMD regulations (e.g., Rule 403), the SCE Component of the HRCM Project would result in less than significant impacts related to air quality and GHG emissions.

As demonstrated by the analysis above, the SCE Component would not result in any new significant impacts or substantial increases in the severity of previously identified significant impacts, nor would it require new or modified mitigation measures or alternatives to be studied, that were not previously analyzed in the March 2017 Final Program EIR for the 2016 AQMP and the November 2019 Final SEA for Rule 1110.2 and Rule 1100. The SCE Component would therefore not alter the conclusions of the 2017 Final Program EIR for the 2016 AQMP and the November 2019 Final SEA for Rule 1110.2 and Rule 1100.

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Appendix A

Yorke Engineering, LLC – CalEEMod Outputs for Construction

SoCalGas Honor Rancho 6-19-2024 Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	SoCalGas Honor Rancho 6-19-2024
Construction Start Date	3/3/2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	16.0
Location	25205 W Rye Canyon Rd, Santa Clarita, CA 91355, USA
County	Los Angeles-South Coast
City	Santa Clarita
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	3612
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.24

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
General Heavy Industry	109	1000sqft	2.50	108,720	0.00	—	—	—

Other Asphalt Surfaces	61.2	1000sqft	1.40	0.00	0.00	—	—	—
Other Non-Asphalt Surfaces	727	1000sqft	16.7	0.00	0.00	—	—	—
User Defined Linear	0.47	Mile	2.01	0.00	0.00	—	—	—
General Heavy Industry	113	1000sqft	2.60	113,213	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-12	Sweep Paved Roads

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.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	30.6	193	274	0.41	8.08	85.0	93.1	7.36	9.30	16.6	—	44,087	44,087	2.07	3.44	54.2	44,673
Mit.	13.9	55.6	315	0.42	1.50	50.1	51.6	1.35	5.81	7.14	—	45,563	45,563	2.07	3.44	54.2	46,154
% Reduced	55%	71%	-15%	-3%	81%	41%	45%	82%	38%	57%	—	-3%	-3%	—	—	—	-3%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	41.4	129	240	0.29	5.94	113	119	5.38	12.4	17.7	—	36,590	36,590	1.61	3.03	1.28	37,216
Mit.	40.3	64.0	275	0.31	1.74	66.4	68.2	1.54	7.70	9.24	—	39,200	39,200	1.72	3.03	1.28	39,834
% Reduced	3%	50%	-15%	-8%	71%	41%	43%	71%	38%	48%	—	-7%	-7%	-7%	—	—	-7%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.05	58.2	86.7	0.13	2.40	37.2	37.9	2.18	4.04	5.44	—	15,600	15,600	0.73	0.92	7.58	15,899
Mit.	5.26	22.0	99.0	0.14	0.55	21.8	22.2	0.49	2.50	2.87	—	16,178	16,178	0.75	0.92	7.58	16,480
% Reduced	42%	62%	-14%	-4%	77%	41%	41%	77%	38%	47%	—	-4%	-4%	-3%	-1%	—	-4%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.65	10.6	15.8	0.02	0.44	6.79	6.92	0.40	0.74	0.99	—	2,583	2,583	0.12	0.15	1.26	2,632
Mit.	0.96	4.02	18.1	0.03	0.10	3.98	4.06	0.09	0.46	0.52	—	2,678	2,678	0.12	0.15	1.26	2,728
% Reduced	42%	62%	-14%	-4%	77%	41%	41%	77%	38%	47%	—	-4%	-4%	-3%	-1%	—	-4%

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	30.6	193	274	0.41	8.08	85.0	93.1	7.36	9.30	16.6	—	44,087	44,087	2.07	3.44	54.2	44,673
2026	5.29	41.5	53.7	0.11	1.36	83.8	85.1	1.22	8.99	10.2	—	15,123	15,123	0.66	0.93	24.2	15,441
2027	0.60	3.59	6.49	0.01	0.10	0.80	0.89	0.09	0.19	0.28	—	1,670	1,670	0.08	0.11	3.49	1,707
2028	0.44	3.77	4.27	0.01	0.11	1.07	1.07	0.10	0.26	0.27	—	1,670	1,670	0.05	0.15	4.45	1,720
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2025	22.1	129	240	0.29	5.94	113	119	5.38	12.4	17.7	—	36,590	36,590	1.61	3.03	1.28	37,216
2026	41.0	54.2	69.2	0.14	1.74	111	113	1.56	11.9	13.5	—	19,675	19,675	0.88	1.24	0.82	20,068
2027	41.4	42.8	55.9	0.12	1.33	58.8	60.1	1.23	6.73	7.95	—	16,958	16,958	0.65	1.13	0.77	17,311
2028	0.44	3.80	4.20	0.01	0.11	1.07	1.07	0.10	0.26	0.27	—	1,627	1,627	0.06	0.15	0.12	1,674
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	9.05	58.2	86.7	0.13	2.40	28.7	31.1	2.18	3.26	5.44	—	15,600	15,600	0.73	0.92	7.58	15,899
2026	4.03	20.7	25.5	0.05	0.68	37.2	37.9	0.61	4.04	4.65	—	7,498	7,498	0.34	0.48	5.40	7,655
2027	5.34	4.04	6.07	0.01	0.12	4.86	4.98	0.11	0.59	0.70	—	1,805	1,805	0.07	0.13	1.56	1,846
2028	0.08	0.65	0.78	< 0.005	0.02	0.07	0.09	0.02	0.02	0.03	—	262	262	0.01	0.02	0.16	268
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.65	10.6	15.8	0.02	0.44	5.24	5.68	0.40	0.60	0.99	—	2,583	2,583	0.12	0.15	1.26	2,632
2026	0.74	3.77	4.65	0.01	0.12	6.79	6.92	0.11	0.74	0.85	—	1,241	1,241	0.06	0.08	0.89	1,267
2027	0.97	0.74	1.11	< 0.005	0.02	0.89	0.91	0.02	0.11	0.13	—	299	299	0.01	0.02	0.26	306
2028	0.01	0.12	0.14	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	0.01	—	43.3	43.3	< 0.005	< 0.005	0.03	44.4

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	13.9	55.6	315	0.42	1.50	50.1	51.6	1.35	5.81	7.14	—	45,563	45,563	2.07	3.44	54.2	46,154
2026	4.27	30.2	66.1	0.12	0.85	48.8	49.6	0.76	5.50	6.27	—	16,473	16,473	0.72	0.94	24.2	16,797
2027	0.57	3.18	6.51	0.01	0.08	0.80	0.88	0.07	0.19	0.27	—	1,670	1,670	0.08	0.11	3.49	1,707
2028	0.34	2.75	4.88	0.01	0.06	1.07	1.07	0.06	0.26	0.27	—	1,670	1,670	0.05	0.15	4.45	1,720
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2025	14.7	64.0	275	0.31	1.74	66.4	68.2	1.54	7.70	9.24	—	39,200	39,200	1.72	3.03	1.28	39,834
2026	39.9	39.5	84.3	0.16	1.07	64.9	65.9	0.96	7.30	8.26	—	21,244	21,244	0.95	1.26	0.82	21,642
2027	40.3	31.8	65.7	0.13	0.80	35.5	36.3	0.75	4.40	5.15	—	18,091	18,091	0.69	1.14	0.77	18,448
2028	0.34	2.79	4.81	0.01	0.06	1.07	1.07	0.06	0.26	0.27	—	1,627	1,627	0.06	0.15	0.12	1,674
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	4.69	22.0	99.0	0.14	0.55	17.2	17.8	0.49	2.11	2.61	—	16,178	16,178	0.75	0.92	7.58	16,480
2026	3.50	14.9	31.6	0.06	0.42	21.8	22.2	0.37	2.50	2.87	—	8,198	8,198	0.36	0.48	5.40	8,357
2027	5.26	3.26	6.40	0.01	0.08	3.05	3.13	0.07	0.41	0.48	—	1,830	1,830	0.07	0.13	1.56	1,871
2028	0.06	0.49	0.88	< 0.005	0.01	0.07	0.08	0.01	0.02	0.03	—	262	262	0.01	0.02	0.16	268
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.86	4.02	18.1	0.03	0.10	3.15	3.25	0.09	0.39	0.48	—	2,678	2,678	0.12	0.15	1.26	2,728
2026	0.64	2.72	5.76	0.01	0.08	3.98	4.06	0.07	0.46	0.52	—	1,357	1,357	0.06	0.08	0.89	1,384
2027	0.96	0.60	1.17	< 0.005	0.01	0.56	0.57	0.01	0.08	0.09	—	303	303	0.01	0.02	0.26	310
2028	0.01	0.09	0.16	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	0.01	—	43.3	43.3	< 0.005	< 0.005	0.03	44.4

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	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	7.25	8.86	0.03	0.26	—	0.26	0.24	—	0.24	—	2,502	2,502	0.10	0.02	—	2,510

Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	7.25	8.86	0.03	0.26	—	0.26	0.24	—	0.24	—	2,502	2,502	0.10	0.02	—	2,510
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.95	1.16	< 0.005	0.03	—	0.03	0.03	—	0.03	—	329	329	0.01	< 0.005	—	330
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Demolition	—	—	—	—	—	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.02	0.17	0.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	54.5	54.5	< 0.005	< 0.005	—	54.7
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.30	4.79	0.00	0.00	0.86	0.86	0.00	0.20	0.20	—	911	911	0.04	0.03	3.32	925
Vendor	0.02	0.89	0.46	0.01	0.01	0.20	0.21	0.01	0.05	0.06	—	731	731	0.03	0.10	1.98	764
Hauling	0.28	22.4	8.70	0.12	0.23	4.88	5.11	0.23	1.33	1.57	—	18,220	18,220	0.99	2.86	42.3	19,139
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.34	4.15	0.00	0.00	0.86	0.86	0.00	0.20	0.20	—	864	864	0.05	0.04	0.09	875
Vendor	0.02	0.93	0.46	0.01	0.01	0.20	0.21	0.01	0.05	0.06	—	731	731	0.03	0.10	0.05	763
Hauling	0.27	23.2	8.79	0.12	0.23	4.88	5.11	0.23	1.33	1.57	—	18,227	18,227	0.99	2.86	1.10	19,105
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.57	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	115	115	0.01	< 0.005	0.19	117
Vendor	< 0.005	0.12	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	96.1	96.1	< 0.005	0.01	0.11	100
Hauling	0.04	3.09	1.15	0.02	0.03	0.64	0.67	0.03	0.17	0.20	—	2,396	2,396	0.13	0.38	2.40	2,514
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	19.1	19.1	< 0.005	< 0.005	0.03	19.4
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.9	15.9	< 0.005	< 0.005	0.02	16.6
Hauling	0.01	0.56	0.21	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	—	397	397	0.02	0.06	0.40	416

3.2. Demolition (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	4.45	13.7	0.03	0.16	—	0.16	0.15	—	0.15	—	2,502	2,502	0.10	0.02	—	2,510
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	4.45	13.7	0.03	0.16	—	0.16	0.15	—	0.15	—	2,502	2,502	0.10	0.02	—	2,510
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.59	1.80	< 0.005	0.02	—	0.02	0.02	—	0.02	—	329	329	0.01	< 0.005	—	330

Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Demolition	—	—	—	—	—	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.11	0.33	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	54.5	54.5	< 0.005	< 0.005	—	54.7
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.30	4.79	0.00	0.00	0.86	0.86	0.00	0.20	0.20	—	911	911	0.04	0.03	3.32	925
Vendor	0.02	0.89	0.46	0.01	0.01	0.20	0.21	0.01	0.05	0.06	—	731	731	0.03	0.10	1.98	764
Hauling	0.28	22.4	8.70	0.12	0.23	4.88	5.11	0.23	1.33	1.57	—	18,220	18,220	0.99	2.86	42.3	19,139
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.34	4.15	0.00	0.00	0.86	0.86	0.00	0.20	0.20	—	864	864	0.05	0.04	0.09	875
Vendor	0.02	0.93	0.46	0.01	0.01	0.20	0.21	0.01	0.05	0.06	—	731	731	0.03	0.10	0.05	763
Hauling	0.27	23.2	8.79	0.12	0.23	4.88	5.11	0.23	1.33	1.57	—	18,227	18,227	0.99	2.86	1.10	19,105

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.57	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	115	115	0.01	< 0.005	0.19	117
Vendor	< 0.005	0.12	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	96.1	96.1	< 0.005	0.01	0.11	100
Hauling	0.04	3.09	1.15	0.02	0.03	0.64	0.67	0.03	0.17	0.20	—	2,396	2,396	0.13	0.38	2.40	2,514
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	19.1	19.1	< 0.005	< 0.005	0.03	19.4
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.9	15.9	< 0.005	< 0.005	0.02	16.6
Hauling	0.01	0.56	0.21	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	—	397	397	0.02	0.06	0.40	416

3.3. Decommissioning (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	3.06	3.36	0.01	0.10	—	0.10	0.09	—	0.09	—	662	662	0.03	0.01	—	664
Demolition	—	—	—	—	—	0.00	0.00	—	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	3.06	3.36	0.01	0.10	—	0.10	0.09	—	0.09	—	662	662	0.03	0.01	—	664
Demolition	—	—	—	—	—	0.00	0.00	—	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.50	0.55	< 0.005	0.02	—	0.02	0.02	—	0.02	—	109	109	< 0.005	< 0.005	—	109
Demolition	—	—	—	—	—	0.00	0.00	—	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.09	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.0	18.0	< 0.005	< 0.005	—	18.1
Demolition	—	—	—	—	—	0.00	0.00	—	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.61	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	134	134	< 0.005	0.01	0.38	136
Vendor	0.01	0.36	0.19	< 0.005	< 0.005	0.09	0.09	< 0.005	0.03	0.03	—	321	321	0.01	0.05	0.80	336
Hauling	< 0.005	0.31	0.12	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	261	261	0.01	0.04	0.53	274
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.53	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	127	127	< 0.005	0.01	0.01	129
Vendor	0.01	0.38	0.19	< 0.005	< 0.005	0.09	0.09	< 0.005	0.03	0.03	—	321	321	0.01	0.05	0.02	335
Hauling	< 0.005	0.32	0.12	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	261	261	0.01	0.04	0.01	274
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	21.3	21.3	< 0.005	< 0.005	0.03	21.5
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	52.8	52.8	< 0.005	0.01	0.06	55.1
Hauling	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	42.9	42.9	< 0.005	0.01	0.04	45.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.52	3.52	< 0.005	< 0.005	< 0.005	3.57
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.74	8.74	< 0.005	< 0.005	0.01	9.13
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.10	7.10	< 0.005	< 0.005	0.01	7.45

3.4. Decommissioning (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	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	2.04	3.97	0.01	0.06	—	0.06	0.05	—	0.05	—	662	662	0.03	0.01	—	664
Demolition	—	—	—	—	—	0.00	0.00	—	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	2.04	3.97	0.01	0.06	—	0.06	0.05	—	0.05	—	662	662	0.03	0.01	—	664
Demolition	—	—	—	—	—	0.00	0.00	—	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

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.34	0.65	< 0.005	0.01	—	0.01	0.01	—	0.01	—	109	109	< 0.005	< 0.005	—	109
Demolition	—	—	—	—	—	0.00	0.00	—	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.06	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.0	18.0	< 0.005	< 0.005	—	18.1
Demolition	—	—	—	—	—	0.00	0.00	—	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.61	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	134	134	< 0.005	0.01	0.38	136
Vendor	0.01	0.36	0.19	< 0.005	< 0.005	0.09	0.09	< 0.005	0.03	0.03	—	321	321	0.01	0.05	0.80	336
Hauling	< 0.005	0.31	0.12	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	261	261	0.01	0.04	0.53	274
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.53	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	127	127	< 0.005	0.01	0.01	129
Vendor	0.01	0.38	0.19	< 0.005	< 0.005	0.09	0.09	< 0.005	0.03	0.03	—	321	321	0.01	0.05	0.02	335
Hauling	< 0.005	0.32	0.12	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	261	261	0.01	0.04	0.01	274
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	21.3	21.3	< 0.005	< 0.005	0.03	21.5
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	52.8	52.8	< 0.005	0.01	0.06	55.1

Hauling	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	42.9	42.9	< 0.005	0.01	0.04	45.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.52	3.52	< 0.005	< 0.005	< 0.005	3.57
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.74	8.74	< 0.005	< 0.005	0.01	9.13
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.10	7.10	< 0.005	< 0.005	0.01	7.45

3.5. Site Preparation/Rough Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	12.8	97.6	62.8	0.19	3.76	—	3.76	3.46	—	3.46	—	15,947	15,947	0.65	0.13	—	16,002
Dust From Material Movement	—	—	—	—	—	0.42	0.42	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.17	0.07	< 0.005	< 0.005	26.5	26.5	< 0.005	2.65	2.65	—	139	139	0.01	0.02	0.32	146
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.81	21.4	13.8	0.04	0.82	—	0.82	0.76	—	0.76	—	3,495	3,495	0.14	0.03	—	3,507
Dust From Material Movement	—	—	—	—	—	0.09	0.09	—	0.01	0.01	—	—	—	—	—	—	—

Onsite truck	< 0.005	0.04	0.01	< 0.005	< 0.005	5.55	5.55	< 0.005	0.55	0.56	—	30.4	30.4	< 0.005	< 0.005	0.03	31.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	3.91	2.51	0.01	0.15	—	0.15	0.14	—	0.14	—	579	579	0.02	< 0.005	—	581
Dust From Material Movement	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.01	1.01	< 0.005	0.10	0.10	—	5.03	5.03	< 0.005	< 0.005	0.01	5.28
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.28	4.39	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	835	835	0.04	0.03	3.04	848
Vendor	0.03	1.07	0.55	0.01	0.01	0.23	0.25	0.01	0.06	0.07	—	877	877	0.04	0.12	2.37	917
Hauling	0.14	3.42	2.41	0.01	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	732	732	0.16	0.12	0.87	772
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.87	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	176	176	0.01	0.01	0.29	179
Vendor	0.01	0.25	0.12	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	192	192	0.01	0.03	0.23	201
Hauling	0.03	0.77	0.53	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	161	161	0.04	0.03	0.08	170
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.16	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	29.2	29.2	< 0.005	< 0.005	0.05	29.6
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31.8	31.8	< 0.005	< 0.005	0.04	33.2
Hauling	0.01	0.14	0.10	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	26.6	26.6	0.01	< 0.005	0.01	28.1

3.6. Site Preparation/Rough Grading (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	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	10.5	77.8	0.19	0.41	—	0.41	0.40	—	0.40	—	15,947	15,947	0.65	0.13	—	16,002
Dust From Material Movement	—	—	—	—	—	0.42	0.42	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.17	0.07	< 0.005	< 0.005	14.8	14.8	< 0.005	1.48	1.49	—	139	139	0.01	0.02	0.32	146
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	2.30	17.1	0.04	0.09	—	0.09	0.09	—	0.09	—	3,495	3,495	0.14	0.03	—	3,507
Dust From Material Movement	—	—	—	—	—	0.09	0.09	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.04	0.01	< 0.005	< 0.005	3.11	3.11	< 0.005	0.31	0.31	—	30.4	30.4	< 0.005	< 0.005	0.03	31.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.42	3.11	0.01	0.02	—	0.02	0.02	—	0.02	—	579	579	0.02	< 0.005	—	581

Dust From Material Movement	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.57	0.57	< 0.005	0.06	0.06	—	5.03	5.03	< 0.005	< 0.005	0.01	5.28
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.28	4.39	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	835	835	0.04	0.03	3.04	848
Vendor	0.03	1.07	0.55	0.01	0.01	0.23	0.25	0.01	0.06	0.07	—	877	877	0.04	0.12	2.37	917
Hauling	0.14	3.42	2.41	0.01	< 0.005	0.10	0.10	< 0.005	0.03	0.03	—	732	732	0.16	0.12	0.87	772
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.87	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	176	176	0.01	0.01	0.29	179
Vendor	0.01	0.25	0.12	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	192	192	0.01	0.03	0.23	201
Hauling	0.03	0.77	0.53	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	161	161	0.04	0.03	0.08	170
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.16	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	29.2	29.2	< 0.005	< 0.005	0.05	29.6
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31.8	31.8	< 0.005	< 0.005	0.04	33.2
Hauling	0.01	0.14	0.10	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	26.6	26.6	0.01	< 0.005	0.01	28.1

3.7. Piles & Foundations (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.69	14.4	16.7	0.03	0.57	—	0.57	0.52	—	0.52	—	2,818	2,818	0.11	0.02	—	2,828
Onsite truck	< 0.005	0.17	0.07	< 0.005	< 0.005	26.5	26.5	< 0.005	2.65	2.65	—	139	139	0.01	0.02	0.32	146
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.69	14.4	16.7	0.03	0.57	—	0.57	0.52	—	0.52	—	2,818	2,818	0.11	0.02	—	2,828
Onsite truck	< 0.005	0.18	0.07	< 0.005	< 0.005	26.5	26.5	< 0.005	2.65	2.65	—	139	139	0.01	0.02	0.01	145
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	4.33	5.03	0.01	0.17	—	0.17	0.16	—	0.16	—	847	847	0.03	0.01	—	850
Onsite truck	< 0.005	0.05	0.02	< 0.005	< 0.005	7.62	7.62	< 0.005	0.76	0.76	—	41.7	41.7	< 0.005	0.01	0.04	43.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.79	0.92	< 0.005	0.03	—	0.03	0.03	—	0.03	—	140	140	0.01	< 0.005	—	141
Onsite truck	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.39	1.39	< 0.005	0.14	0.14	—	6.90	6.90	< 0.005	< 0.005	0.01	7.23
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.34	5.39	0.00	0.00	0.96	0.96	0.00	0.23	0.23	—	1,025	1,025	0.05	0.04	3.73	1,041
Vendor	0.06	2.08	1.06	0.01	0.02	0.46	0.48	0.01	0.13	0.14	—	1,705	1,705	0.08	0.24	4.62	1,783
Hauling	< 0.005	0.06	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.6	13.6	< 0.005	< 0.005	0.02	14.3

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.38	4.66	0.00	0.00	0.96	0.96	0.00	0.23	0.23	—	972	972	0.05	0.04	0.10	985
Vendor	0.06	2.17	1.08	0.01	0.02	0.46	0.48	0.01	0.13	0.14	—	1,706	1,706	0.08	0.24	0.12	1,780
Hauling	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	< 0.005	14.4
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	1.46	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	296	296	0.02	0.01	0.48	301
Vendor	0.02	0.65	0.32	< 0.005	0.01	0.14	0.14	< 0.005	0.04	0.04	—	513	513	0.02	0.07	0.60	535
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.09	4.09	< 0.005	< 0.005	< 0.005	4.31
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.27	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	49.1	49.1	< 0.005	< 0.005	0.08	49.8
Vendor	< 0.005	0.12	0.06	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	84.9	84.9	< 0.005	0.01	0.10	88.6
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.68	0.68	< 0.005	< 0.005	< 0.005	0.71

3.8. Piles & Foundations (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.20	9.24	19.9	0.03	0.31	—	0.31	0.29	—	0.29	—	3,036	3,036	0.12	0.02	—	3,046
Onsite truck	< 0.005	0.17	0.07	< 0.005	< 0.005	14.8	14.8	< 0.005	1.48	1.49	—	139	139	0.01	0.02	0.32	146
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.20	9.24	19.9	0.03	0.31	—	0.31	0.29	—	0.29	—	3,036	3,036	0.12	0.02	—	3,046
Onsite truck	< 0.005	0.18	0.07	< 0.005	< 0.005	14.8	14.8	< 0.005	1.48	1.49	—	139	139	0.01	0.02	0.01	145
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	2.78	5.99	0.01	0.09	—	0.09	0.09	—	0.09	—	913	913	0.04	0.01	—	916
Onsite truck	< 0.005	0.05	0.02	< 0.005	< 0.005	4.27	4.27	< 0.005	0.43	0.43	—	41.7	41.7	< 0.005	0.01	0.04	43.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.51	1.09	< 0.005	0.02	—	0.02	0.02	—	0.02	—	151	151	0.01	< 0.005	—	152
Onsite truck	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.78	0.78	< 0.005	0.08	0.08	—	6.90	6.90	< 0.005	< 0.005	0.01	7.23
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.34	5.39	0.00	0.00	0.96	0.96	0.00	0.23	0.23	—	1,025	1,025	0.05	0.04	3.73	1,041
Vendor	0.06	2.08	1.06	0.01	0.02	0.46	0.48	0.01	0.13	0.14	—	1,705	1,705	0.08	0.24	4.62	1,783
Hauling	< 0.005	0.06	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.6	13.6	< 0.005	< 0.005	0.02	14.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.38	4.66	0.00	0.00	0.96	0.96	0.00	0.23	0.23	—	972	972	0.05	0.04	0.10	985
Vendor	0.06	2.17	1.08	0.01	0.02	0.46	0.48	0.01	0.13	0.14	—	1,706	1,706	0.08	0.24	0.12	1,780
Hauling	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	< 0.005	14.4
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	1.46	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	296	296	0.02	0.01	0.48	301
Vendor	0.02	0.65	0.32	< 0.005	0.01	0.14	0.14	< 0.005	0.04	0.04	—	513	513	0.02	0.07	0.60	535

Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.09	4.09	< 0.005	< 0.005	< 0.005	4.31
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.27	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	49.1	49.1	< 0.005	< 0.005	0.08	49.8
Vendor	< 0.005	0.12	0.06	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	84.9	84.9	< 0.005	0.01	0.10	88.6
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.68	0.68	< 0.005	< 0.005	< 0.005	0.71

3.9. Piles & Foundations (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.62	13.8	16.6	0.03	0.51	—	0.51	0.47	—	0.47	—	2,818	2,818	0.11	0.02	—	2,827
Onsite truck	< 0.005	0.16	0.06	< 0.005	< 0.005	26.5	26.5	< 0.005	2.65	2.65	—	136	136	0.01	0.02	0.31	143
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.62	13.8	16.6	0.03	0.51	—	0.51	0.47	—	0.47	—	2,818	2,818	0.11	0.02	—	2,827
Onsite truck	< 0.005	0.17	0.07	< 0.005	< 0.005	26.5	26.5	< 0.005	2.65	2.65	—	136	136	0.01	0.02	0.01	143
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	3.05	3.67	0.01	0.11	—	0.11	0.10	—	0.10	—	622	622	0.03	0.01	—	624
Onsite truck	< 0.005	0.04	0.01	< 0.005	< 0.005	5.59	5.59	< 0.005	0.56	0.56	—	30.0	30.0	< 0.005	< 0.005	0.03	31.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.07	0.56	0.67	< 0.005	0.02	—	0.02	0.02	—	0.02	—	103	103	< 0.005	< 0.005	—	103
Onsite truck	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.02	1.02	< 0.005	0.10	0.10	—	4.97	4.97	< 0.005	< 0.005	< 0.005	5.22
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.31	5.00	0.00	0.00	0.96	0.96	0.00	0.23	0.23	—	1,004	1,004	0.05	0.04	3.38	1,020
Vendor	0.06	1.99	1.01	0.01	0.02	0.46	0.48	0.01	0.13	0.14	—	1,676	1,676	0.08	0.24	4.48	1,754
Hauling	< 0.005	0.06	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.3	13.3	< 0.005	< 0.005	0.02	14.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.34	4.36	0.00	0.00	0.96	0.96	0.00	0.23	0.23	—	952	952	0.05	0.04	0.09	965
Vendor	0.05	2.08	1.04	0.01	0.02	0.46	0.48	0.01	0.13	0.14	—	1,677	1,677	0.08	0.24	0.12	1,750
Hauling	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.4	13.4	< 0.005	< 0.005	< 0.005	14.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	1.00	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	213	213	0.01	0.01	0.32	216
Vendor	0.01	0.46	0.23	< 0.005	0.01	0.10	0.10	< 0.005	0.03	0.03	—	370	370	0.02	0.05	0.43	387
Hauling	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.95	2.95	< 0.005	< 0.005	< 0.005	3.12
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.18	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	35.3	35.3	< 0.005	< 0.005	0.05	35.8
Vendor	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	61.3	61.3	< 0.005	0.01	0.07	64.0
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.49	0.49	< 0.005	< 0.005	< 0.005	0.52

3.10. Piles & Foundations (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.16	9.13	19.9	0.03	0.29	—	0.29	0.27	—	0.27	—	3,036	3,036	0.12	0.02	—	3,046
Onsite truck	< 0.005	0.16	0.06	< 0.005	< 0.005	14.8	14.8	< 0.005	1.48	1.49	—	136	136	0.01	0.02	0.31	143
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.16	9.13	19.9	0.03	0.29	—	0.29	0.27	—	0.27	—	3,036	3,036	0.12	0.02	—	3,046
Onsite truck	< 0.005	0.17	0.07	< 0.005	< 0.005	14.8	14.8	< 0.005	1.48	1.49	—	136	136	0.01	0.02	0.01	143
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	2.02	4.39	0.01	0.06	—	0.06	0.06	—	0.06	—	670	670	0.03	0.01	—	672
Onsite truck	< 0.005	0.04	0.01	< 0.005	< 0.005	3.13	3.13	< 0.005	0.31	0.31	—	30.0	30.0	< 0.005	< 0.005	0.03	31.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.37	0.80	< 0.005	0.01	—	0.01	0.01	—	0.01	—	111	111	< 0.005	< 0.005	—	111
Onsite truck	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.57	0.57	< 0.005	0.06	0.06	—	4.97	4.97	< 0.005	< 0.005	< 0.005	5.22
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.31	5.00	0.00	0.00	0.96	0.96	0.00	0.23	0.23	—	1,004	1,004	0.05	0.04	3.38	1,020
Vendor	0.06	1.99	1.01	0.01	0.02	0.46	0.48	0.01	0.13	0.14	—	1,676	1,676	0.08	0.24	4.48	1,754
Hauling	< 0.005	0.06	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.3	13.3	< 0.005	< 0.005	0.02	14.1

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.34	4.36	0.00	0.00	0.96	0.96	0.00	0.23	0.23	—	952	952	0.05	0.04	0.09	965
Vendor	0.05	2.08	1.04	0.01	0.02	0.46	0.48	0.01	0.13	0.14	—	1,677	1,677	0.08	0.24	0.12	1,750
Hauling	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.4	13.4	< 0.005	< 0.005	< 0.005	14.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	1.00	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	213	213	0.01	0.01	0.32	216
Vendor	0.01	0.46	0.23	< 0.005	0.01	0.10	0.10	< 0.005	0.03	0.03	—	370	370	0.02	0.05	0.43	387
Hauling	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.95	2.95	< 0.005	< 0.005	< 0.005	3.12
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.18	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	35.3	35.3	< 0.005	< 0.005	0.05	35.8
Vendor	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	61.3	61.3	< 0.005	0.01	0.07	64.0
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.49	0.49	< 0.005	< 0.005	< 0.005	0.52

3.11. Steel, Pipe, Equipment & Building Erection (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.76	15.7	13.6	0.03	0.61	—	0.61	0.56	—	0.56	—	3,011	3,011	0.12	0.02	—	3,022
Onsite truck	< 0.005	0.17	0.07	< 0.005	< 0.005	26.5	26.5	< 0.005	2.65	2.65	—	139	139	0.01	0.02	0.32	146
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.76	15.7	13.6	0.03	0.61	—	0.61	0.56	—	0.56	—	3,011	3,011	0.12	0.02	—	3,022
Onsite truck	< 0.005	0.18	0.07	< 0.005	< 0.005	26.5	26.5	< 0.005	2.65	2.65	—	139	139	0.01	0.02	0.01	145
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	2.32	2.00	< 0.005	0.09	—	0.09	0.08	—	0.08	—	443	443	0.02	< 0.005	—	445
Onsite truck	< 0.005	0.03	0.01	< 0.005	< 0.005	3.73	3.73	< 0.005	0.37	0.37	—	20.4	20.4	< 0.005	< 0.005	0.02	21.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.42	0.36	< 0.005	0.02	—	0.02	0.01	—	0.01	—	73.4	73.4	< 0.005	< 0.005	—	73.6
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.68	0.68	< 0.005	0.07	0.07	—	3.38	3.38	< 0.005	< 0.005	< 0.005	3.54
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.34	5.39	0.00	0.00	0.96	0.96	0.00	0.23	0.23	—	1,025	1,025	0.05	0.04	3.73	1,041
Vendor	0.06	2.02	1.03	0.01	0.02	0.44	0.47	0.01	0.12	0.13	—	1,656	1,656	0.07	0.23	4.49	1,732
Hauling	< 0.005	0.08	0.05	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30.0	30.0	< 0.005	< 0.005	0.06	31.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.38	4.66	0.00	0.00	0.96	0.96	0.00	0.23	0.23	—	972	972	0.05	0.04	0.10	985
Vendor	0.05	2.11	1.05	0.01	0.02	0.44	0.47	0.01	0.12	0.13	—	1,657	1,657	0.07	0.23	0.12	1,729
Hauling	< 0.005	0.08	0.05	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30.1	30.1	< 0.005	< 0.005	< 0.005	31.7
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.72	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	145	145	0.01	0.01	0.24	147
Vendor	0.01	0.31	0.15	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	244	244	0.01	0.03	0.29	255

Hauling	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.43	4.43	< 0.005	< 0.005	< 0.005	4.65
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.13	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	24.0	24.0	< 0.005	< 0.005	0.04	24.4
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	40.4	40.4	< 0.005	0.01	0.05	42.2
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.73	0.73	< 0.005	< 0.005	< 0.005	0.77

3.12. Steel, Pipe, Equipment & Building Erection (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.29	9.96	22.0	0.04	0.35	—	0.35	0.33	—	0.33	—	4,145	4,145	0.17	0.03	—	4,159
Onsite truck	< 0.005	0.17	0.07	< 0.005	< 0.005	14.8	14.8	< 0.005	1.48	1.49	—	139	139	0.01	0.02	0.32	146
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.29	9.96	22.0	0.04	0.35	—	0.35	0.33	—	0.33	—	4,145	4,145	0.17	0.03	—	4,159
Onsite truck	< 0.005	0.18	0.07	< 0.005	< 0.005	14.8	14.8	< 0.005	1.48	1.49	—	139	139	0.01	0.02	0.01	145
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	1.47	3.24	0.01	0.05	—	0.05	0.05	—	0.05	—	610	610	0.02	< 0.005	—	612
Onsite truck	< 0.005	0.03	0.01	< 0.005	< 0.005	2.09	2.09	< 0.005	0.21	0.21	—	20.4	20.4	< 0.005	< 0.005	0.02	21.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.03	0.27	0.59	< 0.005	0.01	—	0.01	0.01	—	0.01	—	101	101	< 0.005	< 0.005	—	101
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	—	3.38	3.38	< 0.005	< 0.005	< 0.005	3.54
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.34	5.39	0.00	0.00	0.96	0.96	0.00	0.23	0.23	—	1,025	1,025	0.05	0.04	3.73	1,041
Vendor	0.06	2.02	1.03	0.01	0.02	0.44	0.47	0.01	0.12	0.13	—	1,656	1,656	0.07	0.23	4.49	1,732
Hauling	< 0.005	0.08	0.05	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30.0	30.0	< 0.005	< 0.005	0.06	31.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.38	4.66	0.00	0.00	0.96	0.96	0.00	0.23	0.23	—	972	972	0.05	0.04	0.10	985
Vendor	0.05	2.11	1.05	0.01	0.02	0.44	0.47	0.01	0.12	0.13	—	1,657	1,657	0.07	0.23	0.12	1,729
Hauling	< 0.005	0.08	0.05	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30.1	30.1	< 0.005	< 0.005	< 0.005	31.7
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.72	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	145	145	0.01	0.01	0.24	147
Vendor	0.01	0.31	0.15	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	244	244	0.01	0.03	0.29	255
Hauling	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.43	4.43	< 0.005	< 0.005	< 0.005	4.65
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.13	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	24.0	24.0	< 0.005	< 0.005	0.04	24.4
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	40.4	40.4	< 0.005	0.01	0.05	42.2
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.73	0.73	< 0.005	< 0.005	< 0.005	0.77

3.13. Steel, Pipe, Equipment & Building Erection (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.71	15.2	13.4	0.03	0.57	—	0.57	0.52	—	0.52	—	3,011	3,011	0.12	0.02	—	3,021
Onsite truck	< 0.005	0.16	0.06	< 0.005	< 0.005	26.5	26.5	< 0.005	2.65	2.65	—	136	136	0.01	0.02	0.31	143
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.71	15.2	13.4	0.03	0.57	—	0.57	0.52	—	0.52	—	3,011	3,011	0.12	0.02	—	3,021
Onsite truck	< 0.005	0.17	0.07	< 0.005	< 0.005	26.5	26.5	< 0.005	2.65	2.65	—	136	136	0.01	0.02	0.01	143
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.98	8.66	7.68	0.02	0.33	—	0.33	0.30	—	0.30	—	1,721	1,721	0.07	0.01	—	1,726
Onsite truck	< 0.005	0.10	0.04	< 0.005	< 0.005	14.5	14.5	< 0.005	1.45	1.45	—	77.8	77.8	< 0.005	0.01	0.07	81.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	1.58	1.40	< 0.005	0.06	—	0.06	0.05	—	0.05	—	285	285	0.01	< 0.005	—	286
Onsite truck	< 0.005	0.02	0.01	< 0.005	< 0.005	2.64	2.64	< 0.005	0.26	0.26	—	12.9	12.9	< 0.005	< 0.005	0.01	13.5
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.31	5.00	0.00	0.00	0.96	0.96	0.00	0.23	0.23	—	1,004	1,004	0.05	0.04	3.38	1,020
Vendor	0.06	1.93	0.98	0.01	0.02	0.44	0.47	0.01	0.12	0.13	—	1,628	1,628	0.07	0.23	4.35	1,703
Hauling	< 0.005	0.08	0.05	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	29.5	29.5	< 0.005	< 0.005	0.05	31.1

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.34	4.36	0.00	0.00	0.96	0.96	0.00	0.23	0.23	—	952	952	0.05	0.04	0.09	965
Vendor	0.05	2.02	1.01	0.01	0.02	0.44	0.47	0.01	0.12	0.13	—	1,629	1,629	0.07	0.23	0.11	1,700
Hauling	< 0.005	0.08	0.05	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	29.6	29.6	< 0.005	< 0.005	< 0.005	31.1
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.21	2.59	0.00	0.00	0.54	0.54	0.00	0.13	0.13	—	552	552	0.03	0.02	0.83	560
Vendor	0.03	1.16	0.57	0.01	0.01	0.25	0.26	0.01	0.07	0.08	—	930	930	0.04	0.13	1.07	972
Hauling	< 0.005	0.05	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16.9	16.9	< 0.005	< 0.005	0.01	17.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.47	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	91.4	91.4	< 0.005	< 0.005	0.14	92.7
Vendor	0.01	0.21	0.10	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	154	154	0.01	0.02	0.18	161
Hauling	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.80	2.80	< 0.005	< 0.005	< 0.005	2.94

3.14. Steel, Pipe, Equipment & Building Erection (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	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	9.88	22.0	0.04	0.34	—	0.34	0.32	—	0.32	—	4,144	4,144	0.17	0.03	—	4,158
Onsite truck	< 0.005	0.16	0.06	< 0.005	< 0.005	14.8	14.8	< 0.005	1.48	1.49	—	136	136	0.01	0.02	0.31	143
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.27	9.88	22.0	0.04	0.34	—	0.34	0.32	—	0.32	—	4,144	4,144	0.17	0.03	—	4,158
Onsite truck	< 0.005	0.17	0.07	< 0.005	< 0.005	14.8	14.8	< 0.005	1.48	1.49	—	136	136	0.01	0.02	0.01	143
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	5.65	12.5	0.02	0.19	—	0.19	0.18	—	0.18	—	2,368	2,368	0.10	0.02	—	2,376
Onsite truck	< 0.005	0.10	0.04	< 0.005	< 0.005	8.11	8.11	< 0.005	0.81	0.81	—	77.8	77.8	< 0.005	0.01	0.07	81.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.03	2.29	< 0.005	0.04	—	0.04	0.03	—	0.03	—	392	392	0.02	< 0.005	—	393
Onsite truck	< 0.005	0.02	0.01	< 0.005	< 0.005	1.48	1.48	< 0.005	0.15	0.15	—	12.9	12.9	< 0.005	< 0.005	0.01	13.5
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.31	5.00	0.00	0.00	0.96	0.96	0.00	0.23	0.23	—	1,004	1,004	0.05	0.04	3.38	1,020
Vendor	0.06	1.93	0.98	0.01	0.02	0.44	0.47	0.01	0.12	0.13	—	1,628	1,628	0.07	0.23	4.35	1,703
Hauling	< 0.005	0.08	0.05	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	29.5	29.5	< 0.005	< 0.005	0.05	31.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.34	4.36	0.00	0.00	0.96	0.96	0.00	0.23	0.23	—	952	952	0.05	0.04	0.09	965
Vendor	0.05	2.02	1.01	0.01	0.02	0.44	0.47	0.01	0.12	0.13	—	1,629	1,629	0.07	0.23	0.11	1,700
Hauling	< 0.005	0.08	0.05	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	29.6	29.6	< 0.005	< 0.005	< 0.005	31.1
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.21	2.59	0.00	0.00	0.54	0.54	0.00	0.13	0.13	—	552	552	0.03	0.02	0.83	560
Vendor	0.03	1.16	0.57	0.01	0.01	0.25	0.26	0.01	0.07	0.08	—	930	930	0.04	0.13	1.07	972

Hauling	< 0.005	0.05	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	16.9	16.9	< 0.005	< 0.005	0.01	17.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.47	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	91.4	91.4	< 0.005	< 0.005	0.14	92.7
Vendor	0.01	0.21	0.10	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	154	154	0.01	0.02	0.18	161
Hauling	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.80	2.80	< 0.005	< 0.005	< 0.005	2.94

3.15. Steel, Pipe, Equipment & Building Erection (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	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	1.67	14.7	13.4	0.03	0.53	—	0.53	0.49	—	0.49	—	3,011	3,011	0.12	0.02	—	3,021
Onsite truck	< 0.005	0.16	0.06	< 0.005	< 0.005	26.5	26.5	< 0.005	2.65	2.65	—	133	133	0.01	0.02	0.01	140
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.32	0.29	< 0.005	0.01	—	0.01	0.01	—	0.01	—	66.0	66.0	< 0.005	< 0.005	—	66.2
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.56	0.56	< 0.005	0.06	0.06	—	2.92	2.92	< 0.005	< 0.005	< 0.005	3.07
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.9	10.9	< 0.005	< 0.005	—	11.0
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.10	0.10	< 0.005	0.01	0.01	—	0.48	0.48	< 0.005	< 0.005	< 0.005	0.51

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.34	4.03	0.00	0.00	0.96	0.96	0.00	0.23	0.23	—	934	934	0.02	0.04	0.08	946
Vendor	0.05	1.93	0.95	0.01	0.01	0.44	0.45	0.01	0.12	0.13	—	1,598	1,598	0.07	0.22	0.11	1,665
Hauling	< 0.005	0.08	0.05	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	29.1	29.1	< 0.005	< 0.005	< 0.005	30.6
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	20.8	20.8	< 0.005	< 0.005	0.03	21.1
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.0	35.0	< 0.005	< 0.005	0.04	36.5
Hauling	< 0.005	< 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	< 0.005	0.67
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.44	3.44	< 0.005	< 0.005	< 0.005	3.49
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.79	5.79	< 0.005	< 0.005	0.01	6.05
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.11	0.11	< 0.005	< 0.005	< 0.005	0.11

3.16. Steel, Pipe, Equipment & Building Erection (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	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	1.25	9.81	21.9	0.04	0.33	—	0.33	0.31	—	0.31	—	4,144	4,144	0.17	0.03	—	4,158
Onsite truck	< 0.005	0.16	0.06	< 0.005	< 0.005	14.8	14.8	< 0.005	1.48	1.49	—	133	133	0.01	0.02	0.01	140
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.21	0.48	< 0.005	0.01	—	0.01	0.01	—	0.01	—	90.8	90.8	< 0.005	< 0.005	—	91.1
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.31	0.31	< 0.005	0.03	0.03	—	2.92	2.92	< 0.005	< 0.005	< 0.005	3.07
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.04	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.0	15.0	< 0.005	< 0.005	—	15.1
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.01	—	0.48	0.48	< 0.005	< 0.005	< 0.005	0.51
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.34	4.03	0.00	0.00	0.96	0.96	0.00	0.23	0.23	—	934	934	0.02	0.04	0.08	946
Vendor	0.05	1.93	0.95	0.01	0.01	0.44	0.45	0.01	0.12	0.13	—	1,598	1,598	0.07	0.22	0.11	1,665
Hauling	< 0.005	0.08	0.05	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	29.1	29.1	< 0.005	< 0.005	< 0.005	30.6
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	20.8	20.8	< 0.005	< 0.005	0.03	21.1
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.0	35.0	< 0.005	< 0.005	0.04	36.5
Hauling	< 0.005	< 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	< 0.005	0.67
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.44	3.44	< 0.005	< 0.005	< 0.005	3.49

Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.79	5.79	< 0.005	< 0.005	0.01	6.05
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.11	0.11	< 0.005	< 0.005	< 0.005	0.11

3.17. Electrical & Instrument (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	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	0.69	5.44	5.30	0.01	0.22	—	0.22	0.20	—	0.20	—	957	957	0.04	0.01	—	960
Onsite truck	< 0.005	0.18	0.07	< 0.005	< 0.005	26.5	26.5	< 0.005	2.65	2.65	—	139	139	0.01	0.02	0.01	145
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.42	0.41	< 0.005	0.02	—	0.02	0.02	—	0.02	—	73.4	73.4	< 0.005	< 0.005	—	73.7
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	1.94	1.94	< 0.005	0.19	0.19	—	10.6	10.6	< 0.005	< 0.005	0.01	11.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.2	12.2	< 0.005	< 0.005	—	12.2
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.35	0.35	< 0.005	0.04	0.04	—	1.76	1.76	< 0.005	< 0.005	< 0.005	1.85
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.43	0.39	4.84	0.00	0.00	1.00	1.00	0.00	0.23	0.23	—	1,008	1,008	0.05	0.04	0.10	1,021
Vendor	0.05	1.98	0.99	0.01	0.02	0.42	0.44	0.01	0.11	0.13	—	1,560	1,560	0.07	0.22	0.11	1,627
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.39	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	78.4	78.4	< 0.005	< 0.005	0.13	79.5
Vendor	< 0.005	0.15	0.07	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	120	120	0.01	0.02	0.14	125
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.07	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.0	13.0	< 0.005	< 0.005	0.02	13.2
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.8	19.8	< 0.005	< 0.005	0.02	20.7
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

3.18. Electrical & Instrument (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	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	0.55	3.91	5.90	0.01	0.15	—	0.15	0.14	—	0.14	—	957	957	0.04	0.01	—	960
Onsite truck	< 0.005	0.18	0.07	< 0.005	< 0.005	14.8	14.8	< 0.005	1.48	1.49	—	139	139	0.01	0.02	0.01	145

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.30	0.45	< 0.005	0.01	—	0.01	0.01	—	0.01	—	73.4	73.4	< 0.005	< 0.005	—	73.7
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	1.09	1.09	< 0.005	0.11	0.11	—	10.6	10.6	< 0.005	< 0.005	0.01	11.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.2	12.2	< 0.005	< 0.005	—	12.2
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.20	0.20	< 0.005	0.02	0.02	—	1.76	1.76	< 0.005	< 0.005	< 0.005	1.85
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.43	0.39	4.84	0.00	0.00	1.00	1.00	0.00	0.23	0.23	—	1,008	1,008	0.05	0.04	0.10	1,021
Vendor	0.05	1.98	0.99	0.01	0.02	0.42	0.44	0.01	0.11	0.13	—	1,560	1,560	0.07	0.22	0.11	1,627
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.39	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	78.4	78.4	< 0.005	< 0.005	0.13	79.5
Vendor	< 0.005	0.15	0.07	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	120	120	0.01	0.02	0.14	125
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.07	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.0	13.0	< 0.005	< 0.005	0.02	13.2
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.8	19.8	< 0.005	< 0.005	0.02	20.7
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

3.19. Electrical & Instrument (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	5.27	5.27	0.01	0.20	—	0.20	0.19	—	0.19	—	957	957	0.04	0.01	—	960
Onsite truck	< 0.005	0.16	0.06	< 0.005	< 0.005	26.5	26.5	< 0.005	2.65	2.65	—	136	136	0.01	0.02	0.31	143
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	5.27	5.27	0.01	0.20	—	0.20	0.19	—	0.19	—	957	957	0.04	0.01	—	960
Onsite truck	< 0.005	0.17	0.07	< 0.005	< 0.005	26.5	26.5	< 0.005	2.65	2.65	—	136	136	0.01	0.02	0.01	143
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	3.01	3.01	0.01	0.12	—	0.12	0.11	—	0.11	—	547	547	0.02	< 0.005	—	549
Onsite truck	< 0.005	0.10	0.04	< 0.005	< 0.005	14.5	14.5	< 0.005	1.45	1.45	—	77.8	77.8	< 0.005	0.01	0.07	81.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.55	0.55	< 0.005	0.02	—	0.02	0.02	—	0.02	—	90.5	90.5	< 0.005	< 0.005	—	90.8
Onsite truck	< 0.005	0.02	0.01	< 0.005	< 0.005	2.64	2.64	< 0.005	0.26	0.26	—	12.9	12.9	< 0.005	< 0.005	0.01	13.5
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38	0.32	5.19	0.00	0.00	1.00	1.00	0.00	0.23	0.23	—	1,041	1,041	0.05	0.04	3.50	1,057
Vendor	0.05	1.82	0.92	0.01	0.02	0.42	0.44	0.01	0.11	0.13	—	1,532	1,532	0.07	0.22	4.10	1,603
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38	0.36	4.52	0.00	0.00	1.00	1.00	0.00	0.23	0.23	—	987	987	0.05	0.04	0.09	1,000
Vendor	0.05	1.90	0.95	0.01	0.02	0.42	0.44	0.01	0.11	0.13	—	1,533	1,533	0.07	0.22	0.11	1,600
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.22	2.69	0.00	0.00	0.56	0.56	0.00	0.13	0.13	—	573	573	0.03	0.02	0.87	581
Vendor	0.03	1.09	0.54	0.01	0.01	0.24	0.25	0.01	0.07	0.07	—	876	876	0.04	0.13	1.01	915
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.49	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	94.8	94.8	< 0.005	< 0.005	0.14	96.1
Vendor	0.01	0.20	0.10	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	145	145	0.01	0.02	0.17	151
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.20. Electrical & Instrument (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.53	3.85	5.88	0.01	0.14	—	0.14	0.13	—	0.13	—	957	957	0.04	0.01	—	960
Onsite truck	< 0.005	0.16	0.06	< 0.005	< 0.005	14.8	14.8	< 0.005	1.48	1.49	—	136	136	0.01	0.02	0.31	143
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	3.85	5.88	0.01	0.14	—	0.14	0.13	—	0.13	—	957	957	0.04	0.01	—	960
Onsite truck	< 0.005	0.17	0.07	< 0.005	< 0.005	14.8	14.8	< 0.005	1.48	1.49	—	136	136	0.01	0.02	0.01	143
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	2.20	3.36	0.01	0.08	—	0.08	0.08	—	0.08	—	547	547	0.02	< 0.005	—	549
Onsite truck	< 0.005	0.10	0.04	< 0.005	< 0.005	8.11	8.11	< 0.005	0.81	0.81	—	77.8	77.8	< 0.005	0.01	0.07	81.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.40	0.61	< 0.005	0.01	—	0.01	0.01	—	0.01	—	90.5	90.5	< 0.005	< 0.005	—	90.8
Onsite truck	< 0.005	0.02	0.01	< 0.005	< 0.005	1.48	1.48	< 0.005	0.15	0.15	—	12.9	12.9	< 0.005	< 0.005	0.01	13.5
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38	0.32	5.19	0.00	0.00	1.00	1.00	0.00	0.23	0.23	—	1,041	1,041	0.05	0.04	3.50	1,057
Vendor	0.05	1.82	0.92	0.01	0.02	0.42	0.44	0.01	0.11	0.13	—	1,532	1,532	0.07	0.22	4.10	1,603
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38	0.36	4.52	0.00	0.00	1.00	1.00	0.00	0.23	0.23	—	987	987	0.05	0.04	0.09	1,000

Vendor	0.05	1.90	0.95	0.01	0.02	0.42	0.44	0.01	0.11	0.13	—	1,533	1,533	0.07	0.22	0.11	1,600
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.22	2.69	0.00	0.00	0.56	0.56	0.00	0.13	0.13	—	573	573	0.03	0.02	0.87	581
Vendor	0.03	1.09	0.54	0.01	0.01	0.24	0.25	0.01	0.07	0.07	—	876	876	0.04	0.13	1.01	915
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.49	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	94.8	94.8	< 0.005	< 0.005	0.14	96.1
Vendor	0.01	0.20	0.10	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	145	145	0.01	0.02	0.17	151
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Electrical & Instrument (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	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	0.64	5.12	5.24	0.01	0.19	—	0.19	0.17	—	0.17	—	957	957	0.04	0.01	—	960
Onsite truck	< 0.005	0.16	0.06	< 0.005	< 0.005	26.5	26.5	< 0.005	2.65	2.65	—	133	133	0.01	0.02	0.01	140
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.72	0.74	< 0.005	0.03	—	0.03	0.02	—	0.02	—	135	135	0.01	< 0.005	—	135

Onsite truck	< 0.005	0.02	0.01	< 0.005	< 0.005	3.57	3.57	< 0.005	0.36	0.36	—	18.8	18.8	< 0.005	< 0.005	0.02	19.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.13	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	22.3	22.3	< 0.005	< 0.005	—	22.4
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.65	0.65	< 0.005	0.07	0.07	—	3.11	3.11	< 0.005	< 0.005	< 0.005	3.27
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.36	0.35	4.18	0.00	0.00	1.00	1.00	0.00	0.23	0.23	—	969	969	0.02	0.04	0.08	981
Vendor	0.05	1.81	0.90	0.01	0.01	0.42	0.43	0.01	0.11	0.13	—	1,504	1,504	0.07	0.21	0.10	1,567
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.61	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	138	138	< 0.005	0.01	0.19	140
Vendor	0.01	0.26	0.12	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	212	212	0.01	0.03	0.24	221
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.11	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	22.9	22.9	< 0.005	< 0.005	0.03	23.2
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.1	35.1	< 0.005	< 0.005	0.04	36.6
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

3.22. Electrical & Instrument (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	3.79	5.86	0.01	0.13	—	0.13	0.12	—	0.12	—	957	957	0.04	0.01	—	960
Onsite truck	< 0.005	0.16	0.06	< 0.005	< 0.005	14.8	14.8	< 0.005	1.48	1.49	—	133	133	0.01	0.02	0.01	140
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.53	0.83	< 0.005	0.02	—	0.02	0.02	—	0.02	—	135	135	0.01	< 0.005	—	135
Onsite truck	< 0.005	0.02	0.01	< 0.005	< 0.005	2.00	2.00	< 0.005	0.20	0.20	—	18.8	18.8	< 0.005	< 0.005	0.02	19.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.10	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	22.3	22.3	< 0.005	< 0.005	—	22.4
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.37	0.37	< 0.005	0.04	0.04	—	3.11	3.11	< 0.005	< 0.005	< 0.005	3.27
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.36	0.35	4.18	0.00	0.00	1.00	1.00	0.00	0.23	0.23	—	969	969	0.02	0.04	0.08	981
Vendor	0.05	1.81	0.90	0.01	0.01	0.42	0.43	0.01	0.11	0.13	—	1,504	1,504	0.07	0.21	0.10	1,567
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.61	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	138	138	< 0.005	0.01	0.19	140
Vendor	0.01	0.26	0.12	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	212	212	0.01	0.03	0.24	221
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.11	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	22.9	22.9	< 0.005	< 0.005	0.03	23.2
Vendor	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.1	35.1	< 0.005	< 0.005	0.04	36.6
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

3.23. Commissioning & Startup (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	2.75	3.06	0.01	0.09	—	0.09	0.09	—	0.09	—	448	448	0.02	< 0.005	—	450
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	2.75	3.06	0.01	0.09	—	0.09	0.09	—	0.09	—	448	448	0.02	< 0.005	—	450
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.97	1.07	< 0.005	0.03	—	0.03	0.03	—	0.03	—	157	157	0.01	< 0.005	—	158
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.18	0.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	26.0	26.0	< 0.005	< 0.005	—	26.1
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.18	3.10	0.00	0.00	0.64	0.64	0.00	0.15	0.15	—	657	657	0.03	0.02	2.03	667
Vendor	0.02	0.65	0.33	< 0.005	< 0.005	0.16	0.16	< 0.005	0.04	0.05	—	563	563	0.03	0.08	1.45	589
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.23	2.68	0.00	0.00	0.64	0.64	0.00	0.15	0.15	—	623	623	0.01	0.02	0.05	630
Vendor	0.02	0.68	0.34	< 0.005	< 0.005	0.16	0.16	< 0.005	0.04	0.05	—	564	564	0.03	0.08	0.04	588
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.98	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	222	222	< 0.005	0.01	0.31	225
Vendor	0.01	0.24	0.12	< 0.005	< 0.005	0.05	0.06	< 0.005	0.01	0.02	—	198	198	0.01	0.03	0.22	206
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.18	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	36.7	36.7	< 0.005	< 0.005	0.05	37.2
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	32.7	32.7	< 0.005	< 0.005	0.04	34.1
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

3.24. Commissioning & Startup (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	2.34	3.08	0.01	0.07	—	0.07	0.07	—	0.07	—	448	448	0.02	< 0.005	—	450
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	2.34	3.08	0.01	0.07	—	0.07	0.07	—	0.07	—	448	448	0.02	< 0.005	—	450
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.82	1.08	< 0.005	0.03	—	0.03	0.02	—	0.02	—	157	157	0.01	< 0.005	—	158
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.15	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	26.0	26.0	< 0.005	< 0.005	—	26.1
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.18	3.10	0.00	0.00	0.64	0.64	0.00	0.15	0.15	—	657	657	0.03	0.02	2.03	667
Vendor	0.02	0.65	0.33	< 0.005	< 0.005	0.16	0.16	< 0.005	0.04	0.05	—	563	563	0.03	0.08	1.45	589
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.23	2.68	0.00	0.00	0.64	0.64	0.00	0.15	0.15	—	623	623	0.01	0.02	0.05	630
Vendor	0.02	0.68	0.34	< 0.005	< 0.005	0.16	0.16	< 0.005	0.04	0.05	—	564	564	0.03	0.08	0.04	588
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.98	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	222	222	< 0.005	0.01	0.31	225
Vendor	0.01	0.24	0.12	< 0.005	< 0.005	0.05	0.06	< 0.005	0.01	0.02	—	198	198	0.01	0.03	0.22	206
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.18	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	36.7	36.7	< 0.005	< 0.005	0.05	37.2
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	32.7	32.7	< 0.005	< 0.005	0.04	34.1
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

3.25. Mobilization (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	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
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
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.18	2.16	0.00	0.00	0.45	0.45	0.00	0.10	0.10	—	450	450	0.02	0.02	0.04	456
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.0	10.0	< 0.005	< 0.005	0.02	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.66	1.66	< 0.005	< 0.005	< 0.005	1.68
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.26. Mobilization (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	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
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
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.18	2.16	0.00	0.00	0.45	0.45	0.00	0.10	0.10	—	450	450	0.02	0.02	0.04	456
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.0	10.0	< 0.005	< 0.005	0.02	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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.66	1.66	< 0.005	< 0.005	< 0.005	1.68
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.27. Demobilization (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	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
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
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.15	2.58	0.00	0.00	0.53	0.53	0.00	0.13	0.13	—	547	547	0.03	0.02	1.69	556

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.5	11.5	< 0.005	< 0.005	0.02	11.7
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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.91	1.91	< 0.005	< 0.005	< 0.005	1.94
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.28. Demobilization (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	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
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

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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.15	2.58	0.00	0.00	0.53	0.53	0.00	0.13	0.13	—	547	547	0.03	0.02	1.69	556
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.5	11.5	< 0.005	< 0.005	0.02	11.7
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
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.91	1.91	< 0.005	< 0.005	< 0.005	1.94
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.29. SCE Retention Substation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	8.11	29.8	98.9	0.05	1.96	—	1.96	1.77	—	1.77	—	4,709	4,709	0.19	0.04	—	4,725
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	8.11	29.8	98.9	0.05	1.96	—	1.96	1.77	—	1.77	—	4,709	4,709	0.19	0.04	—	4,725
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.11	11.4	38.0	0.02	0.75	—	0.75	0.68	—	0.68	—	1,806	1,806	0.07	0.01	—	1,812
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.57	2.08	6.93	< 0.005	0.14	—	0.14	0.12	—	0.12	—	299	299	0.01	< 0.005	—	300
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.80	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	152	152	0.01	0.01	0.55	154
Vendor	0.02	0.77	0.40	< 0.005	0.01	0.17	0.18	< 0.005	0.05	0.05	—	633	633	0.03	0.09	1.72	662
Hauling	< 0.005	0.34	0.13	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	277	277	0.02	0.04	0.64	291
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.69	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	144	144	0.01	0.01	0.01	146

Vendor	0.02	0.80	0.40	< 0.005	0.01	0.17	0.18	< 0.005	0.05	0.05	—	634	634	0.03	0.09	0.04	661
Hauling	< 0.005	0.35	0.13	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	277	277	0.02	0.04	0.02	291
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.28	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	56.0	56.0	< 0.005	< 0.005	0.09	56.8
Vendor	0.01	0.31	0.15	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	243	243	0.01	0.03	0.29	254
Hauling	< 0.005	0.14	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	106	106	0.01	0.02	0.11	112
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.28	9.28	< 0.005	< 0.005	0.02	9.41
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	40.2	40.2	< 0.005	0.01	0.05	42.0
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	17.6	17.6	< 0.005	< 0.005	0.02	18.5

3.30. SCE Retention Substation (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.35	8.48	105	0.05	0.27	—	0.27	0.23	—	0.23	—	5,045	5,045	0.21	0.04	—	5,062
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.35	8.48	105	0.05	0.27	—	0.27	0.23	—	0.23	—	5,045	5,045	0.21	0.04	—	5,062
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.05	3.25	40.3	0.02	0.10	—	0.10	0.09	—	0.09	—	1,935	1,935	0.08	0.02	—	1,942
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.37	0.59	7.36	< 0.005	0.02	—	0.02	0.02	—	0.02	—	320	320	0.01	< 0.005	—	321
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.80	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	152	152	0.01	0.01	0.55	154
Vendor	0.02	0.77	0.40	< 0.005	0.01	0.17	0.18	< 0.005	0.05	0.05	—	633	633	0.03	0.09	1.72	662
Hauling	< 0.005	0.34	0.13	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	277	277	0.02	0.04	0.64	291
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.69	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	144	144	0.01	0.01	0.01	146
Vendor	0.02	0.80	0.40	< 0.005	0.01	0.17	0.18	< 0.005	0.05	0.05	—	634	634	0.03	0.09	0.04	661
Hauling	< 0.005	0.35	0.13	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	277	277	0.02	0.04	0.02	291
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.28	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	56.0	56.0	< 0.005	< 0.005	0.09	56.8
Vendor	0.01	0.31	0.15	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	243	243	0.01	0.03	0.29	254
Hauling	< 0.005	0.14	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	106	106	0.01	0.02	0.11	112
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.28	9.28	< 0.005	< 0.005	0.02	9.41

Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	40.2	40.2	< 0.005	0.01	0.05	42.0
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	17.6	17.6	< 0.005	< 0.005	0.02	18.5

3.31. SCE Saugus Substation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	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	1.92	2.19	0.01	0.09	—	0.09	0.08	—	0.08	—	545	545	0.02	< 0.005	—	546
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.01	0.11	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	29.8	29.8	< 0.005	< 0.005	—	29.9
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.94	4.94	< 0.005	< 0.005	—	4.96
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.06	0.05	0.80	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	152	152	0.01	0.01	0.55	154
Vendor	< 0.005	0.18	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	146	146	0.01	0.02	0.40	153
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.00	8.00	< 0.005	< 0.005	0.01	8.12
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.01	8.01	< 0.005	< 0.005	0.01	8.36
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.33	1.33	< 0.005	< 0.005	< 0.005	1.34
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.33	1.33	< 0.005	< 0.005	< 0.005	1.38
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.32. SCE Saugus Substation (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.27	3.12	0.01	0.01	—	0.01	0.01	—	0.01	—	545	545	0.02	< 0.005	—	546
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	< 0.005	0.01	0.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	29.8	29.8	< 0.005	< 0.005	—	29.9
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.94	4.94	< 0.005	< 0.005	—	4.96
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.80	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	152	152	0.01	0.01	0.55	154
Vendor	< 0.005	0.18	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	146	146	0.01	0.02	0.40	153
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.00	8.00	< 0.005	< 0.005	0.01	8.12
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.01	8.01	< 0.005	< 0.005	0.01	8.36
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.33	1.33	< 0.005	< 0.005	< 0.005	1.34
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.33	1.33	< 0.005	< 0.005	< 0.005	1.38
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.33. SCE Telecom (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	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	1.41	10.6	6.18	0.01	0.75	—	0.75	0.69	—	0.69	—	1,095	1,095	0.04	0.01	—	1,098
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.58	0.34	< 0.005	0.04	—	0.04	0.04	—	0.04	—	60.0	60.0	< 0.005	< 0.005	—	60.2
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.11	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	9.93	9.93	< 0.005	< 0.005	—	9.97
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.43	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	90.0	90.0	< 0.005	< 0.005	0.01	91.2
Vendor	0.02	0.62	0.31	< 0.005	0.01	0.13	0.14	< 0.005	0.04	0.04	—	487	487	0.02	0.07	0.03	508
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	5.00	5.00	< 0.005	< 0.005	0.01	5.07
Vendor	< 0.005	0.03	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.7	26.7	< 0.005	< 0.005	0.03	27.9
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.83	0.83	< 0.005	< 0.005	< 0.005	0.84
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.42	4.42	< 0.005	< 0.005	0.01	4.62
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.34. SCE Telecom (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	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	0.38	3.44	6.74	0.01	0.11	—	0.11	0.10	—	0.10	—	1,095	1,095	0.04	0.01	—	1,098
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.19	0.37	< 0.005	0.01	—	0.01	0.01	—	0.01	—	60.0	60.0	< 0.005	< 0.005	—	60.2
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.93	9.93	< 0.005	< 0.005	—	9.97
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.43	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	90.0	90.0	< 0.005	< 0.005	0.01	91.2
Vendor	0.02	0.62	0.31	< 0.005	0.01	0.13	0.14	< 0.005	0.04	0.04	—	487	487	0.02	0.07	0.03	508
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	5.00	5.00	< 0.005	< 0.005	0.01	5.07
Vendor	< 0.005	0.03	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.7	26.7	< 0.005	< 0.005	0.03	27.9
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.83	0.83	< 0.005	< 0.005	< 0.005	0.84
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.42	4.42	< 0.005	< 0.005	0.01	4.62
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.35. Decommissioning Mobilization (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	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
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
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.23	3.77	0.00	0.00	0.83	0.83	0.00	0.19	0.19	—	835	835	0.01	0.03	2.37	847
Vendor	0.02	0.95	0.48	0.01	0.01	0.24	0.24	0.01	0.07	0.07	—	834	834	0.03	0.12	2.09	872
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.80	8.80	< 0.005	< 0.005	0.01	8.92
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.14	9.14	< 0.005	< 0.005	0.01	9.55

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.46	1.46	< 0.005	< 0.005	< 0.005	1.48
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.51	1.51	< 0.005	< 0.005	< 0.005	1.58
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.36. Decommissioning Mobilization (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	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
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
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.23	3.77	0.00	0.00	0.83	0.83	0.00	0.19	0.19	—	835	835	0.01	0.03	2.37	847
Vendor	0.02	0.95	0.48	0.01	0.01	0.24	0.24	0.01	0.07	0.07	—	834	834	0.03	0.12	2.09	872

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.80	8.80	< 0.005	< 0.005	0.01	8.92
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.14	9.14	< 0.005	< 0.005	0.01	9.55
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.46	1.46	< 0.005	< 0.005	< 0.005	1.48
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.51	1.51	< 0.005	< 0.005	< 0.005	1.58
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.37. Decommissioning Demobilization (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	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
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
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.27	3.27	0.00	0.00	0.83	0.83	0.00	0.19	0.19	—	792	792	0.01	0.03	0.06	802
Vendor	0.02	0.99	0.49	0.01	0.01	0.24	0.24	0.01	0.07	0.07	—	835	835	0.03	0.12	0.05	871
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.80	8.80	< 0.005	< 0.005	0.01	8.92
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.14	9.14	< 0.005	< 0.005	0.01	9.55
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.46	1.46	< 0.005	< 0.005	< 0.005	1.48
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.51	1.51	< 0.005	< 0.005	< 0.005	1.58
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.38. Decommissioning Demobilization (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	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
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
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.27	3.27	0.00	0.00	0.83	0.83	0.00	0.19	0.19	—	792	792	0.01	0.03	0.06	802
Vendor	0.02	0.99	0.49	0.01	0.01	0.24	0.24	0.01	0.07	0.07	—	835	835	0.03	0.12	0.05	871
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.80	8.80	< 0.005	< 0.005	0.01	8.92
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.14	9.14	< 0.005	< 0.005	0.01	9.55
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.46	1.46	< 0.005	< 0.005	< 0.005	1.48
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.51	1.51	< 0.005	< 0.005	< 0.005	1.58
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.39. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.10	8.62	10.3	0.02	0.41	—	0.41	0.38	—	0.38	—	1,572	1,572	0.06	0.01	—	1,578
Paving	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.10	8.62	10.3	0.02	0.41	—	0.41	0.38	—	0.38	—	1,572	1,572	0.06	0.01	—	1,578
Paving	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	1.65	1.97	< 0.005	0.08	—	0.08	0.07	—	0.07	—	300	300	0.01	< 0.005	—	301
Paving	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.30	0.36	< 0.005	0.01	—	0.01	0.01	—	0.01	—	49.7	49.7	< 0.005	< 0.005	—	49.9
Paving	< 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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.23	3.70	0.00	0.00	0.71	0.71	0.00	0.17	0.17	—	744	744	0.03	0.03	2.50	755
Vendor	0.05	1.65	0.84	0.01	0.02	0.38	0.40	0.01	0.10	0.11	—	1,388	1,388	0.06	0.20	3.71	1,453
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.25	3.23	0.00	0.00	0.71	0.71	0.00	0.17	0.17	—	705	705	0.04	0.03	0.06	715
Vendor	0.05	1.72	0.86	0.01	0.02	0.38	0.40	0.01	0.10	0.11	—	1,389	1,389	0.06	0.20	0.10	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.64	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	137	137	0.01	0.01	0.21	139
Vendor	0.01	0.33	0.16	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	265	265	0.01	0.04	0.31	277
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.12	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	22.6	22.6	< 0.005	< 0.005	0.03	23.0
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	43.9	43.9	< 0.005	0.01	0.05	45.9
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

3.40. Paving (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	4.15	10.9	0.02	0.15	—	0.15	0.14	—	0.14	—	1,572	1,572	0.06	0.01	—	1,578
Paving	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	4.15	10.9	0.02	0.15	—	0.15	0.14	—	0.14	—	1,572	1,572	0.06	0.01	—	1,578
Paving	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.79	2.08	< 0.005	0.03	—	0.03	0.03	—	0.03	—	300	300	0.01	< 0.005	—	301
Paving	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.14	0.38	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	49.7	49.7	< 0.005	< 0.005	—	49.9
Paving	< 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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.27	0.23	3.70	0.00	0.00	0.71	0.71	0.00	0.17	0.17	—	744	744	0.03	0.03	2.50	755
Vendor	0.05	1.65	0.84	0.01	0.02	0.38	0.40	0.01	0.10	0.11	—	1,388	1,388	0.06	0.20	3.71	1,453
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.25	3.23	0.00	0.00	0.71	0.71	0.00	0.17	0.17	—	705	705	0.04	0.03	0.06	715
Vendor	0.05	1.72	0.86	0.01	0.02	0.38	0.40	0.01	0.10	0.11	—	1,389	1,389	0.06	0.20	0.10	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.64	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	137	137	0.01	0.01	0.21	139
Vendor	0.01	0.33	0.16	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	265	265	0.01	0.04	0.31	277
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.12	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	22.6	22.6	< 0.005	< 0.005	0.03	23.0
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	43.9	43.9	< 0.005	0.01	0.05	45.9
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

3.41. Paving (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	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	1.05	8.09	10.3	0.02	0.37	—	0.37	0.34	—	0.34	—	1,573	1,573	0.06	0.01	—	1,578
Paving	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.58	0.74	< 0.005	0.03	—	0.03	0.02	—	0.02	—	113	113	< 0.005	< 0.005	—	114
Paving	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.11	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.8	18.8	< 0.005	< 0.005	—	18.8
Paving	< 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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.25	2.98	0.00	0.00	0.71	0.71	0.00	0.17	0.17	—	692	692	0.01	0.03	0.06	700
Vendor	0.05	1.64	0.81	0.01	0.01	0.38	0.39	0.01	0.10	0.11	—	1,363	1,363	0.06	0.19	0.09	1,421
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.22	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	50.6	50.6	< 0.005	< 0.005	0.07	51.2
Vendor	< 0.005	0.12	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	98.1	98.1	< 0.005	0.01	0.11	102

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.37	8.37	< 0.005	< 0.005	0.01	8.48
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	16.2	16.2	< 0.005	< 0.005	0.02	16.9
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

3.42. Paving (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	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	0.57	4.09	10.9	0.02	0.14	—	0.14	0.13	—	0.13	—	1,573	1,573	0.06	0.01	—	1,578
Paving	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.29	0.78	< 0.005	0.01	—	0.01	0.01	—	0.01	—	113	113	< 0.005	< 0.005	—	114
Paving	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.8	18.8	< 0.005	< 0.005	—	18.8

Paving	< 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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.25	2.98	0.00	0.00	0.71	0.71	0.00	0.17	0.17	—	692	692	0.01	0.03	0.06	700
Vendor	0.05	1.64	0.81	0.01	0.01	0.38	0.39	0.01	0.10	0.11	—	1,363	1,363	0.06	0.19	0.09	1,421
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.22	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	50.6	50.6	< 0.005	< 0.005	0.07	51.2
Vendor	< 0.005	0.12	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	98.1	98.1	< 0.005	0.01	0.11	102
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.37	8.37	< 0.005	< 0.005	0.01	8.48
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	16.2	16.2	< 0.005	< 0.005	0.02	16.9
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

3.43. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	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	0.36	2.84	3.07	0.01	0.10	—	0.10	0.09	—	0.09	—	448	448	0.02	< 0.005	—	450
Architectural Coatings	35.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.11	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.5	17.5	< 0.005	< 0.005	—	17.6
Architectural Coatings	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.90	2.90	< 0.005	< 0.005	—	2.91
Architectural Coatings	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.26	3.31	0.00	0.00	0.73	0.73	0.00	0.17	0.17	—	723	723	0.04	0.03	0.07	732

Vendor	0.04	1.60	0.80	0.01	0.02	0.35	0.37	0.01	0.10	0.11	—	1,294	1,294	0.06	0.18	0.09	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.13	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	28.7	28.7	< 0.005	< 0.005	0.04	29.1
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	50.6	50.6	< 0.005	0.01	0.06	52.9
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.75	4.75	< 0.005	< 0.005	0.01	4.82
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.38	8.38	< 0.005	< 0.005	0.01	8.76
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.44. Architectural Coating (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	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	0.32	2.38	3.10	0.01	0.08	—	0.08	0.07	—	0.07	—	448	448	0.02	< 0.005	—	450
Architectural Coatings	35.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.09	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.5	17.5	< 0.005	< 0.005	—	17.6
Architectural Coatings	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.90	2.90	< 0.005	< 0.005	—	2.91
Architectural Coatings	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.26	3.31	0.00	0.00	0.73	0.73	0.00	0.17	0.17	—	723	723	0.04	0.03	0.07	732
Vendor	0.04	1.60	0.80	0.01	0.02	0.35	0.37	0.01	0.10	0.11	—	1,294	1,294	0.06	0.18	0.09	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.13	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	28.7	28.7	< 0.005	< 0.005	0.04	29.1
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	50.6	50.6	< 0.005	0.01	0.06	52.9
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.75	4.75	< 0.005	< 0.005	0.01	4.82

Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.38	8.38	< 0.005	< 0.005	0.01	8.76
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.45. Architectural Coating (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	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	0.35	2.75	3.06	0.01	0.09	—	0.09	0.09	—	0.09	—	448	448	0.02	< 0.005	—	450
Architectu ral Coatings	35.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.37	0.41	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59.6	59.6	< 0.005	< 0.005	—	59.8
Architectu ral Coatings	4.74	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.07	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.87	9.87	< 0.005	< 0.005	—	9.91

Architectu Coatings	0.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.26	3.06	0.00	0.00	0.73	0.73	0.00	0.17	0.17	—	709	709	0.01	0.03	0.06	718
Vendor	0.04	1.53	0.76	0.01	0.01	0.35	0.36	0.01	0.10	0.11	—	1,269	1,269	0.06	0.18	0.08	1,323
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.43	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	95.7	95.7	< 0.005	< 0.005	0.13	97.1
Vendor	0.01	0.20	0.10	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	169	169	0.01	0.02	0.19	176
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.9	15.9	< 0.005	< 0.005	0.02	16.1
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.9	27.9	< 0.005	< 0.005	0.03	29.2
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

3.46. Architectural Coating (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	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	0.31	2.34	3.08	0.01	0.07	—	0.07	0.07	—	0.07	—	448	448	0.02	< 0.005	—	450
Architectural Coatings	35.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.31	0.41	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59.6	59.6	< 0.005	< 0.005	—	59.8
Architectural Coatings	4.74	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.06	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.87	9.87	< 0.005	< 0.005	—	9.91
Architectural Coatings	0.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.26	3.06	0.00	0.00	0.73	0.73	0.00	0.17	0.17	—	709	709	0.01	0.03	0.06	718
Vendor	0.04	1.53	0.76	0.01	0.01	0.35	0.36	0.01	0.10	0.11	—	1,269	1,269	0.06	0.18	0.08	1,323
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.43	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	95.7	95.7	< 0.005	< 0.005	0.13	97.1
Vendor	0.01	0.20	0.10	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	169	169	0.01	0.02	0.19	176
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.9	15.9	< 0.005	< 0.005	0.02	16.1
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.9	27.9	< 0.005	< 0.005	0.03	29.2
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

3.47. Trenching (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	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	10.1	12.7	0.02	0.39	—	0.39	0.36	—	0.36	—	2,104	2,104	0.09	0.02	—	2,111
Onsite truck	< 0.005	0.17	0.07	< 0.005	< 0.005	26.5	26.5	< 0.005	2.65	2.65	—	139	139	0.01	0.02	0.32	146
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.15	10.1	12.7	0.02	0.39	—	0.39	0.36	—	0.36	—	2,104	2,104	0.09	0.02	—	2,111
Onsite truck	< 0.005	0.18	0.07	< 0.005	< 0.005	26.5	26.5	< 0.005	2.65	2.65	—	139	139	0.01	0.02	0.01	145
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	2.91	3.66	0.01	0.11	—	0.11	0.10	—	0.10	—	606	606	0.02	< 0.005	—	608
Onsite truck	< 0.005	0.05	0.02	< 0.005	< 0.005	7.30	7.30	< 0.005	0.73	0.73	—	39.9	39.9	< 0.005	0.01	0.04	41.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.53	0.67	< 0.005	0.02	—	0.02	0.02	—	0.02	—	100	100	< 0.005	< 0.005	—	101
Onsite truck	< 0.005	0.01	< 0.005	< 0.005	< 0.005	1.33	1.33	< 0.005	0.13	0.13	—	6.61	6.61	< 0.005	< 0.005	0.01	6.93
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.28	4.39	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	835	835	0.04	0.03	3.04	848
Vendor	0.06	2.08	1.06	0.01	0.02	0.46	0.48	0.01	0.13	0.14	—	1,705	1,705	0.08	0.24	4.62	1,783
Hauling	< 0.005	0.06	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.6	13.6	< 0.005	< 0.005	0.02	14.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.31	3.80	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	792	792	0.04	0.03	0.08	802
Vendor	0.06	2.17	1.08	0.01	0.02	0.46	0.48	0.01	0.13	0.14	—	1,706	1,706	0.08	0.24	0.12	1,780
Hauling	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	< 0.005	14.4
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	1.14	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	231	231	0.01	0.01	0.38	235
Vendor	0.02	0.63	0.31	< 0.005	0.01	0.13	0.14	< 0.005	0.04	0.04	—	491	491	0.02	0.07	0.58	513

Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.92	3.92	< 0.005	< 0.005	< 0.005	4.13
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.21	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	38.3	38.3	< 0.005	< 0.005	0.06	38.9
Vendor	< 0.005	0.11	0.06	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	81.3	81.3	< 0.005	0.01	0.10	84.9
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.65	0.65	< 0.005	< 0.005	< 0.005	0.68

3.48. Trenching (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	6.43	15.3	0.02	0.21	—	0.21	0.19	—	0.19	—	2,322	2,322	0.09	0.02	—	2,330
Onsite truck	< 0.005	0.17	0.07	< 0.005	< 0.005	14.8	14.8	< 0.005	1.48	1.49	—	139	139	0.01	0.02	0.32	146
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	6.43	15.3	0.02	0.21	—	0.21	0.19	—	0.19	—	2,322	2,322	0.09	0.02	—	2,330
Onsite truck	< 0.005	0.18	0.07	< 0.005	< 0.005	14.8	14.8	< 0.005	1.48	1.49	—	139	139	0.01	0.02	0.01	145
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	1.85	4.42	0.01	0.06	—	0.06	0.06	—	0.06	—	669	669	0.03	0.01	—	671
Onsite truck	< 0.005	0.05	0.02	< 0.005	< 0.005	4.09	4.09	< 0.005	0.41	0.41	—	39.9	39.9	< 0.005	0.01	0.04	41.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.04	0.34	0.81	< 0.005	0.01	—	0.01	0.01	—	0.01	—	111	111	< 0.005	< 0.005	—	111
Onsite truck	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.75	0.75	< 0.005	0.07	0.07	—	6.61	6.61	< 0.005	< 0.005	0.01	6.93
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.28	4.39	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	835	835	0.04	0.03	3.04	848
Vendor	0.06	2.08	1.06	0.01	0.02	0.46	0.48	0.01	0.13	0.14	—	1,705	1,705	0.08	0.24	4.62	1,783
Hauling	< 0.005	0.06	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.6	13.6	< 0.005	< 0.005	0.02	14.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.31	3.80	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	792	792	0.04	0.03	0.08	802
Vendor	0.06	2.17	1.08	0.01	0.02	0.46	0.48	0.01	0.13	0.14	—	1,706	1,706	0.08	0.24	0.12	1,780
Hauling	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	< 0.005	14.4
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	1.14	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	231	231	0.01	0.01	0.38	235
Vendor	0.02	0.63	0.31	< 0.005	0.01	0.13	0.14	< 0.005	0.04	0.04	—	491	491	0.02	0.07	0.58	513
Hauling	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.92	3.92	< 0.005	< 0.005	< 0.005	4.13
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.21	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	38.3	38.3	< 0.005	< 0.005	0.06	38.9
Vendor	< 0.005	0.11	0.06	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	81.3	81.3	< 0.005	0.01	0.10	84.9
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.65	0.65	< 0.005	< 0.005	< 0.005	0.68

3.49. Trenching (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.10	9.70	12.6	0.02	0.35	—	0.35	0.33	—	0.33	—	2,104	2,104	0.09	0.02	—	2,111
Onsite truck	< 0.005	0.17	0.07	< 0.005	< 0.005	26.5	26.5	< 0.005	2.65	2.65	—	136	136	0.01	0.02	0.01	143
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.18	0.24	< 0.005	0.01	—	0.01	0.01	—	0.01	—	39.5	39.5	< 0.005	< 0.005	—	39.7
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.48	0.48	< 0.005	0.05	0.05	—	2.56	2.56	< 0.005	< 0.005	< 0.005	2.68
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.54	6.54	< 0.005	< 0.005	—	6.57
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.09	0.09	< 0.005	0.01	0.01	—	0.42	0.42	< 0.005	< 0.005	< 0.005	0.44
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.28	3.55	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	776	776	0.04	0.03	0.07	786
Vendor	0.05	2.08	1.04	0.01	0.02	0.46	0.48	0.01	0.13	0.14	—	1,677	1,677	0.08	0.24	0.12	1,750
Hauling	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.4	13.4	< 0.005	< 0.005	< 0.005	14.2

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.07	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	14.8	14.8	< 0.005	< 0.005	0.02	15.0
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31.5	31.5	< 0.005	< 0.005	0.04	32.9
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.25	0.25	< 0.005	< 0.005	< 0.005	0.27
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.45	2.45	< 0.005	< 0.005	< 0.005	2.48
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.21	5.21	< 0.005	< 0.005	0.01	5.45
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.04	0.04	< 0.005	< 0.005	< 0.005	0.04

3.50. Trenching (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	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	0.77	6.37	15.3	0.02	0.20	—	0.20	0.18	—	0.18	—	2,322	2,322	0.09	0.02	—	2,330
Onsite truck	< 0.005	0.17	0.07	< 0.005	< 0.005	14.8	14.8	< 0.005	1.48	1.49	—	136	136	0.01	0.02	0.01	143
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.12	0.29	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	43.6	43.6	< 0.005	< 0.005	—	43.8
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.27	0.27	< 0.005	0.03	0.03	—	2.56	2.56	< 0.005	< 0.005	< 0.005	2.68
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	0.02	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.22	7.22	< 0.005	< 0.005	—	7.25
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.05	0.05	< 0.005	< 0.005	< 0.005	—	0.42	0.42	< 0.005	< 0.005	< 0.005	0.44
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.28	3.55	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	776	776	0.04	0.03	0.07	786
Vendor	0.05	2.08	1.04	0.01	0.02	0.46	0.48	0.01	0.13	0.14	—	1,677	1,677	0.08	0.24	0.12	1,750
Hauling	< 0.005	0.07	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.4	13.4	< 0.005	< 0.005	< 0.005	14.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.07	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	14.8	14.8	< 0.005	< 0.005	0.02	15.0
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31.5	31.5	< 0.005	< 0.005	0.04	32.9
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.25	0.25	< 0.005	< 0.005	< 0.005	0.27
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.45	2.45	< 0.005	< 0.005	< 0.005	2.48
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.21	5.21	< 0.005	< 0.005	0.01	5.45
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.04	0.04	< 0.005	< 0.005	< 0.005	0.04

3.51. SCE 66 Kv Subtransmission Work (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.11	26.7	59.6	0.06	1.29	—	1.29	1.18	—	1.18	—	6,371	6,371	0.26	0.05	—	6,393
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.11	26.7	59.6	0.06	1.29	—	1.29	1.18	—	1.18	—	6,371	6,371	0.26	0.05	—	6,393
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.12	5.85	13.1	0.01	0.28	—	0.28	0.26	—	0.26	—	1,396	1,396	0.06	0.01	—	1,401
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	1.07	2.38	< 0.005	0.05	—	0.05	0.05	—	0.05	—	231	231	0.01	< 0.005	—	232
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	1.20	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	228	228	0.01	0.01	0.83	231
Vendor	0.07	2.43	1.25	0.01	0.03	0.53	0.56	0.01	0.15	0.16	—	1,997	1,997	0.09	0.28	5.41	2,089
Hauling	0.01	0.85	0.33	< 0.005	0.01	0.19	0.19	0.01	0.05	0.06	—	693	693	0.04	0.11	1.61	728

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	1.04	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	216	216	0.01	0.01	0.02	219
Vendor	0.07	2.54	1.27	0.01	0.03	0.53	0.56	0.01	0.15	0.16	—	1,999	1,999	0.09	0.28	0.14	2,085
Hauling	0.01	0.88	0.33	< 0.005	0.01	0.19	0.19	0.01	0.05	0.06	—	693	693	0.04	0.11	0.04	726
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.24	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	48.0	48.0	< 0.005	< 0.005	0.08	48.7
Vendor	0.01	0.56	0.27	< 0.005	0.01	0.12	0.12	< 0.005	0.03	0.04	—	438	438	0.02	0.06	0.51	457
Hauling	< 0.005	0.20	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	152	152	0.01	0.02	0.15	159
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.95	7.95	< 0.005	< 0.005	0.01	8.06
Vendor	< 0.005	0.10	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	72.5	72.5	< 0.005	0.01	0.09	75.7
Hauling	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	25.1	25.1	< 0.005	< 0.005	0.03	26.4

3.52. SCE 66 Kv Subtransmission Work (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.01	6.32	73.0	0.07	0.18	—	0.18	0.17	—	0.17	—	7,076	7,076	0.29	0.06	—	7,100
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	3.01	6.32	73.0	0.07	0.18	—	0.18	0.17	—	0.17	—	7,076	7,076	0.29	0.06	—	7,100
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	1.38	16.0	0.01	0.04	—	0.04	0.04	—	0.04	—	1,551	1,551	0.06	0.01	—	1,556
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.25	2.92	< 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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	1.20	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	228	228	0.01	0.01	0.83	231
Vendor	0.07	2.43	1.25	0.01	0.03	0.53	0.56	0.01	0.15	0.16	—	1,997	1,997	0.09	0.28	5.41	2,089
Hauling	0.01	0.85	0.33	< 0.005	0.01	0.19	0.19	0.01	0.05	0.06	—	693	693	0.04	0.11	1.61	728
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	1.04	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	216	216	0.01	0.01	0.02	219
Vendor	0.07	2.54	1.27	0.01	0.03	0.53	0.56	0.01	0.15	0.16	—	1,999	1,999	0.09	0.28	0.14	2,085
Hauling	0.01	0.88	0.33	< 0.005	0.01	0.19	0.19	0.01	0.05	0.06	—	693	693	0.04	0.11	0.04	726
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.24	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	48.0	48.0	< 0.005	< 0.005	0.08	48.7
Vendor	0.01	0.56	0.27	< 0.005	0.01	0.12	0.12	< 0.005	0.03	0.04	—	438	438	0.02	0.06	0.51	457

Hauling	< 0.005	0.20	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	152	152	0.01	0.02	0.15	159
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.95	7.95	< 0.005	< 0.005	0.01	8.06
Vendor	< 0.005	0.10	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	72.5	72.5	< 0.005	0.01	0.09	75.7
Hauling	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	25.1	25.1	< 0.005	< 0.005	0.03	26.4

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
----------	-----	-----	----	-----	-------	-------	-------	--------	--------	--------	------	-------	------	-----	-----	---	------

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	3/4/2025	5/26/2025	4.00	48.0	—
Decommissioning	Demolition	9/11/2028	12/21/2028	4.00	60.0	—
Site Preparation/Rough Grading	Site Preparation	5/12/2025	9/25/2025	4.00	80.0	—

Piles & Foundations	Building Construction	6/23/2025	5/21/2026	4.00	192	—
Steel, Pipe, Equipment & Building Erection	Building Construction	9/29/2025	1/14/2027	4.00	272	—
Electrical & Instrument	Building Construction	11/13/2025	3/31/2027	4.00	288	—
Commissioning & Startup	Building Construction	1/7/2027	8/18/2027	4.00	128	—
Mobilization	Building Construction	3/3/2025	3/13/2025	4.00	8.00	—
Demobilization	Building Construction	9/1/2027	9/14/2027	4.00	8.00	—
SCE Retention Substation	Building Construction	6/2/2025	12/12/2025	5.00	140	—
SCE Saugus Substation	Building Construction	8/1/2025	8/28/2025	5.00	20.0	—
SCE Telecom	Building Construction	12/1/2025	12/26/2025	5.00	20.0	—
Decommissioning Mobilization	Building Construction	9/4/2028	9/7/2028	4.00	4.00	—
Decommissioning Demobilization	Building Construction	12/25/2028	12/28/2028	4.00	4.00	—
Paving	Paving	9/1/2026	2/15/2027	4.00	96.0	—
Architectural Coating	Architectural Coating	12/7/2026	3/26/2027	4.00	64.0	—
Trenching	Trenching	7/1/2025	1/12/2026	4.00	112	—
SCE 66 Kv Subtransmission Work	Linear, Drainage, Utilities, & Sub-Grade	9/1/2025	12/19/2025	5.00	80.0	—

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
Demolition	Generator Sets	Diesel	Average	1.00	8.00	6.70	0.74
Demolition	Generator Sets	Diesel	Average	2.00	3.00	14.0	0.74
Demolition	Excavators	Diesel	Average	1.00	7.00	510	0.38
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	6.00	84.0	0.37

Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	5.00	15.0	0.73
Demolition	Concrete/Industrial Saws	Diesel	Average	2.00	4.00	10.0	0.73
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	7.00	33.0	0.73
Decommissioning	Concrete/Industrial Saws	Diesel	Average	1.00	4.00	10.0	0.73
Decommissioning	Cranes	Diesel	Average	1.00	3.00	320	0.29
Decommissioning	Welders	Electric	Average	1.00	8.00	46.0	0.45
Decommissioning	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Decommissioning	Forklifts	Diesel	Average	1.00	3.00	82.0	0.20
Decommissioning	Generator Sets	Diesel	Average	1.00	5.00	14.0	0.74
Site Preparation/Rough Grading	Cranes	Diesel	Average	1.00	3.00	320	0.29
Site Preparation/Rough Grading	Forklifts	Diesel	Average	2.00	3.00	82.0	0.20
Site Preparation/Rough Grading	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Site Preparation/Rough Grading	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Site Preparation/Rough Grading	Dumpers/Tenders	Diesel	Average	8.00	7.00	405	0.38
Site Preparation/Rough Grading	Graders	Diesel	Average	2.00	7.00	148	0.41
Site Preparation/Rough Grading	Generator Sets	Diesel	Average	2.00	3.00	14.0	0.74
Site Preparation/Rough Grading	Generator Sets	Diesel	Average	1.00	8.00	6.70	0.74
Site Preparation/Rough Grading	Excavators	Diesel	Average	2.00	7.00	510	0.38
Site Preparation/Rough Grading	Other General Industrial Equipment	Electric	Average	4.00	2.00	35.0	0.34

Piles & Foundations	Cranes	Diesel	Average	1.00	3.00	260	0.29
Piles & Foundations	Forklifts	Diesel	Average	3.00	3.00	82.0	0.20
Piles & Foundations	Generator Sets	Diesel	Average	4.00	3.00	14.0	0.74
Piles & Foundations	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Piles & Foundations	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Piles & Foundations	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Piles & Foundations	Pumps	Diesel	Average	3.00	3.00	11.0	0.74
Piles & Foundations	Generator Sets	Diesel	Average	2.00	8.00	6.70	0.74
Piles & Foundations	Sweepers/Scrubbers	Diesel	Average	1.00	4.00	36.0	0.46
Piles & Foundations	Plate Compactors	Diesel	Average	4.00	6.00	8.00	0.43
Piles & Foundations	Cranes	Diesel	Average	1.00	3.00	320	0.29
Piles & Foundations	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Piles & Foundations	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Piles & Foundations	Other General Industrial Equipment	Electric	Average	6.00	2.00	35.0	0.34
Steel, Pipe, Equipment & Building Erection	Cranes	Diesel	Average	1.00	2.00	450	0.29
Steel, Pipe, Equipment & Building Erection	Forklifts	Diesel	Average	4.00	3.00	82.0	0.20
Steel, Pipe, Equipment & Building Erection	Generator Sets	Diesel	Average	6.00	8.00	14.0	0.74
Steel, Pipe, Equipment & Building Erection	Generator Sets	Diesel	Average	2.00	8.00	6.70	0.74
Steel, Pipe, Equipment & Building Erection	Aerial Lifts	Diesel	Average	2.00	7.00	46.0	0.31
Steel, Pipe, Equipment & Building Erection	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Steel, Pipe, Equipment & Building Erection	Sweepers/Scrubbers	Diesel	Average	1.00	4.00	36.0	0.46

Steel, Pipe, Equipment & Building Erection	Cranes	Diesel	Average	1.00	3.00	260	0.29
Steel, Pipe, Equipment & Building Erection	Cranes	Diesel	Average	3.00	3.00	320	0.29
Steel, Pipe, Equipment & Building Erection	Welders	Electric	Average	3.00	8.00	46.0	0.45
Steel, Pipe, Equipment & Building Erection	Other General Industrial Equipment	Electric	Average	6.00	2.00	35.0	0.34
Steel, Pipe, Equipment & Building Erection	Welders	Electric	Average	2.00	7.00	46.0	0.45
Electrical & Instrument	Cranes	Diesel	Average	1.00	3.00	320	0.29
Electrical & Instrument	Forklifts	Diesel	Average	2.00	3.00	82.0	0.20
Electrical & Instrument	Generator Sets	Diesel	Average	4.00	3.00	14.0	0.74
Electrical & Instrument	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Electrical & Instrument	Generator Sets	Diesel	Average	2.00	8.00	6.70	0.74
Electrical & Instrument	Sweepers/Scrubbers	Diesel	Average	1.00	4.00	36.0	0.46
Electrical & Instrument	Other General Industrial Equipment	Electric	Average	6.00	2.00	35.0	0.34
Commissioning & Startup	Forklifts	Diesel	Average	2.00	3.00	82.0	0.20
Commissioning & Startup	Generator Sets	Diesel	Average	4.00	3.00	14.0	0.74
Commissioning & Startup	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Commissioning & Startup	Other General Industrial Equipment	Electric	Average	4.00	2.00	35.0	0.34
SCE Retention Substation	Cranes	Diesel	Average	1.00	8.00	350	0.29
SCE Retention Substation	Generator Sets	Gasoline	Average	1.00	8.00	49.0	0.68
SCE Retention Substation	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	69.0	0.37

SCE Retention Substation	Forklifts	Diesel	Average	2.00	4.00	180	0.20
SCE Retention Substation	Cranes	Diesel	Average	1.00	4.00	180	0.29
SCE Retention Substation	Generator Sets	Gasoline	Average	1.00	6.00	49.0	0.68
SCE Retention Substation	Plate Compactors	Gasoline	Average	1.00	2.00	20.0	0.55
SCE Retention Substation	Excavators	Diesel	Average	1.00	8.00	180	0.38
SCE Retention Substation	Off-Highway Tractors	Diesel	Average	1.00	4.00	49.0	0.44
SCE Retention Substation	Skid Steer Loaders	Diesel	Average	1.00	8.00	180	0.37
SCE Retention Substation	Forklifts	Diesel	Average	4.00	4.00	75.0	0.20
SCE Saugus Substation	Forklifts	Diesel	Average	1.00	8.00	75.0	0.20
SCE Saugus Substation	Forklifts	Diesel	Average	1.00	4.00	75.0	0.20
SCE Saugus Substation	Forklifts	Diesel	Average	1.00	8.00	180	0.20
SCE Telecom	Other Construction Equipment	Diesel	Average	1.00	8.00	48.0	0.42
SCE Telecom	Other General Industrial Equipment	Diesel	Average	1.00	8.00	180	0.34
SCE Telecom	Tractors/Loaders/Backhoes	Diesel	Average	1.00	10.0	73.0	0.37
Paving	Plate Compactors	Diesel	Average	2.00	6.00	8.00	0.43
Paving	Forklifts	Diesel	Average	1.00	3.00	82.0	0.20
Paving	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Paving	Generator Sets	Diesel	Average	1.00	8.00	6.70	0.74
Paving	Sweepers/Scrubbers	Diesel	Average	1.00	4.00	36.0	0.46
Paving	Generator Sets	Diesel	Average	4.00	3.00	14.0	0.74
Paving	Graders	Diesel	Average	2.00	7.00	148	0.41

Paving	Other General Industrial Equipment	Electric	Average	6.00	2.00	35.0	0.34
Architectural Coating	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Architectural Coating	Forklifts	Diesel	Average	2.00	3.00	82.0	0.20
Architectural Coating	Generator Sets	Diesel	Average	4.00	3.00	14.0	0.74
Architectural Coating	Other General Industrial Equipment	Electric	Average	4.00	2.00	35.0	0.34
Trenching	Cranes	Diesel	Average	1.00	3.00	320	0.29
Trenching	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Trenching	Forklifts	Diesel	Average	2.00	3.00	82.0	0.20
Trenching	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Trenching	Generator Sets	Diesel	Average	4.00	3.00	14.0	0.74
Trenching	Generator Sets	Diesel	Average	2.00	8.00	6.70	0.74
Trenching	Sweepers/Scrubbers	Diesel	Average	1.00	4.00	36.0	0.46
Trenching	Plate Compactors	Diesel	Average	4.00	6.00	8.00	0.43
Trenching	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Trenching	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Trenching	Other General Industrial Equipment	Electric	Average	6.00	2.00	35.0	0.34
SCE 66 Kv Subtransmission Work	Bore/Drill Rigs	Diesel	Average	1.00	8.00	200	0.50
SCE 66 Kv Subtransmission Work	Cranes	Diesel	Average	1.00	5.00	300	0.29
SCE 66 Kv Subtransmission Work	Cranes	Diesel	Average	1.00	8.00	300	0.29
SCE 66 Kv Subtransmission Work	Crawler Tractors	Diesel	Average	1.00	8.00	300	0.43
SCE 66 Kv Subtransmission Work	Excavators	Diesel	Average	1.00	8.00	160	0.38

SCE 66 Kv Subtransmission Work	Other Construction Equipment	Diesel	Average	1.00	8.00	180	0.42
SCE 66 Kv Subtransmission Work	Rollers	Diesel	Average	1.00	8.00	60.0	0.38
SCE 66 Kv Subtransmission Work	Skid Steer Loaders	Diesel	Average	1.00	8.00	46.0	0.37
SCE 66 Kv Subtransmission Work	Tractors/Loaders/Backhoes	Diesel	Average	1.00	3.00	200	0.37
SCE 66 Kv Subtransmission Work	Other Construction Equipment	Diesel	Average	2.00	8.00	75.0	0.42
SCE 66 Kv Subtransmission Work	Generator Sets	Gasoline	Average	1.00	8.00	45.0	0.68
SCE 66 Kv Subtransmission Work	Other Construction Equipment	Gasoline	Average	1.00	8.00	5.00	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Generator Sets	Diesel	Average	1.00	8.00	6.70	0.74
Demolition	Generator Sets	Diesel	Average	2.00	3.00	14.0	0.74
Demolition	Excavators	Diesel	Tier 4 Final	1.00	7.00	510	0.38
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	6.00	84.0	0.37
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	5.00	15.0	0.73
Demolition	Concrete/Industrial Saws	Diesel	Average	2.00	4.00	10.0	0.73
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	7.00	33.0	0.73
Decommissioning	Concrete/Industrial Saws	Diesel	Average	1.00	4.00	10.0	0.73
Decommissioning	Cranes	Diesel	Tier 4 Final	1.00	3.00	320	0.29
Decommissioning	Welders	Electric	Average	1.00	8.00	46.0	0.45

Decommissioning	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Decommissioning	Forklifts	Diesel	Tier 4 Final	1.00	3.00	82.0	0.20
Decommissioning	Generator Sets	Diesel	Average	1.00	5.00	14.0	0.74
Site Preparation/Rough Grading	Cranes	Diesel	Tier 4 Final	1.00	3.00	320	0.29
Site Preparation/Rough Grading	Forklifts	Diesel	Tier 4 Final	2.00	3.00	82.0	0.20
Site Preparation/Rough Grading	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Site Preparation/Rough Grading	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Site Preparation/Rough Grading	Dumpers/Tenders	Diesel	Tier 4 Final	8.00	7.00	405	0.38
Site Preparation/Rough Grading	Graders	Diesel	Tier 4 Final	2.00	7.00	148	0.41
Site Preparation/Rough Grading	Generator Sets	Diesel	Average	2.00	3.00	14.0	0.74
Site Preparation/Rough Grading	Generator Sets	Diesel	Average	1.00	8.00	6.70	0.74
Site Preparation/Rough Grading	Excavators	Diesel	Tier 4 Final	2.00	7.00	510	0.38
Site Preparation/Rough Grading	Other General Industrial Equipment	Electric	Average	4.00	2.00	35.0	0.34
Piles & Foundations	Cranes	Diesel	Tier 4 Final	1.00	3.00	260	0.29
Piles & Foundations	Forklifts	Diesel	Tier 4 Final	3.00	3.00	82.0	0.20
Piles & Foundations	Generator Sets	Diesel	Average	4.00	3.00	14.0	0.74
Piles & Foundations	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Piles & Foundations	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Piles & Foundations	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Piles & Foundations	Pumps	Diesel	Average	3.00	3.00	11.0	0.74
Piles & Foundations	Generator Sets	Diesel	Average	2.00	8.00	6.70	0.74

Piles & Foundations	Sweepers/Scrubbers	Diesel	Average	1.00	4.00	36.0	0.46
Piles & Foundations	Plate Compactors	Diesel	Average	4.00	6.00	8.00	0.43
Piles & Foundations	Cranes	Diesel	Tier 4 Final	1.00	3.00	320	0.29
Piles & Foundations	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	6.00	84.0	0.37
Piles & Foundations	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Piles & Foundations	Other General Industrial Equipment	Electric	Average	6.00	2.00	35.0	0.34
Steel, Pipe, Equipment & Building Erection	Cranes	Diesel	Tier 4 Final	3.00	2.00	450	0.29
Steel, Pipe, Equipment & Building Erection	Forklifts	Diesel	Tier 4 Final	4.00	3.00	82.0	0.20
Steel, Pipe, Equipment & Building Erection	Generator Sets	Diesel	Average	6.00	8.00	14.0	0.74
Steel, Pipe, Equipment & Building Erection	Generator Sets	Diesel	Average	2.00	8.00	6.70	0.74
Steel, Pipe, Equipment & Building Erection	Aerial Lifts	Diesel	Average	2.00	7.00	46.0	0.31
Steel, Pipe, Equipment & Building Erection	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Steel, Pipe, Equipment & Building Erection	Sweepers/Scrubbers	Diesel	Average	1.00	4.00	36.0	0.46
Steel, Pipe, Equipment & Building Erection	Cranes	Diesel	Tier 4 Final	3.00	3.00	260	0.29
Steel, Pipe, Equipment & Building Erection	Cranes	Diesel	Tier 4 Final	3.00	3.00	320	0.29
Steel, Pipe, Equipment & Building Erection	Welders	Electric	Average	3.00	8.00	46.0	0.45
Steel, Pipe, Equipment & Building Erection	Other General Industrial Equipment	Electric	Average	6.00	2.00	35.0	0.34
Steel, Pipe, Equipment & Building Erection	Welders	Electric	Average	2.00	7.00	46.0	0.45

Electrical & Instrument	Cranes	Diesel	Tier 4 Final	1.00	3.00	320	0.29
Electrical & Instrument	Forklifts	Diesel	Tier 4 Final	2.00	3.00	82.0	0.20
Electrical & Instrument	Generator Sets	Diesel	Average	4.00	3.00	14.0	0.74
Electrical & Instrument	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Electrical & Instrument	Generator Sets	Diesel	Average	2.00	8.00	6.70	0.74
Electrical & Instrument	Sweepers/Scrubbers	Diesel	Average	1.00	4.00	36.0	0.46
Electrical & Instrument	Other General Industrial Equipment	Electric	Average	6.00	2.00	35.0	0.34
Commissioning & Startup	Forklifts	Diesel	Tier 4 Final	2.00	3.00	82.0	0.20
Commissioning & Startup	Generator Sets	Diesel	Average	4.00	3.00	14.0	0.74
Commissioning & Startup	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Commissioning & Startup	Other General Industrial Equipment	Electric	Average	4.00	2.00	35.0	0.34
SCE Retention Substation	Cranes	Diesel	Tier 4 Final	1.00	8.00	350	0.29
SCE Retention Substation	Generator Sets	Gasoline	Average	1.00	8.00	49.0	0.68
SCE Retention Substation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	8.00	69.0	0.37
SCE Retention Substation	Forklifts	Diesel	Tier 4 Final	4.00	4.00	180	0.20
SCE Retention Substation	Cranes	Diesel	Tier 4 Final	1.00	4.00	180	0.29
SCE Retention Substation	Generator Sets	Gasoline	Average	1.00	6.00	49.0	0.68
SCE Retention Substation	Plate Compactors	Gasoline	Average	1.00	2.00	20.0	0.55
SCE Retention Substation	Excavators	Diesel	Tier 4 Final	1.00	8.00	180	0.38

SCE Retention Substation	Off-Highway Tractors	Diesel	Average	1.00	4.00	49.0	0.44
SCE Retention Substation	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	180	0.37
SCE Retention Substation	Forklifts	Diesel	Tier 4 Final	4.00	4.00	75.0	0.20
SCE Saugus Substation	Forklifts	Diesel	Tier 4 Final	1.00	8.00	75.0	0.20
SCE Saugus Substation	Forklifts	Diesel	Tier 4 Final	1.00	4.00	75.0	0.20
SCE Saugus Substation	Forklifts	Diesel	Tier 4 Final	1.00	8.00	180	0.20
SCE Telecom	Other Construction Equipment	Diesel	Average	1.00	8.00	48.0	0.42
SCE Telecom	Other General Industrial Equipment	Diesel	Tier 4 Final	1.00	8.00	180	0.34
SCE Telecom	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	10.0	73.0	0.37
Paving	Plate Compactors	Diesel	Average	2.00	6.00	8.00	0.43
Paving	Forklifts	Diesel	Tier 4 Final	1.00	3.00	82.0	0.20
Paving	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Paving	Generator Sets	Diesel	Average	1.00	8.00	6.70	0.74
Paving	Sweepers/Scrubbers	Diesel	Average	1.00	4.00	36.0	0.46
Paving	Generator Sets	Diesel	Average	4.00	3.00	14.0	0.74
Paving	Graders	Diesel	Tier 4 Final	2.00	7.00	148	0.41
Paving	Other General Industrial Equipment	Electric	Average	6.00	2.00	35.0	0.34
Architectural Coating	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Architectural Coating	Forklifts	Diesel	Tier 4 Final	2.00	3.00	82.0	0.20
Architectural Coating	Generator Sets	Diesel	Average	4.00	3.00	14.0	0.74
Architectural Coating	Other General Industrial Equipment	Electric	Average	4.00	2.00	35.0	0.34
Trenching	Cranes	Diesel	Tier 4 Final	1.00	3.00	320	0.29

Trenching	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Trenching	Forklifts	Diesel	Tier 4 Final	2.00	3.00	82.0	0.20
Trenching	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Trenching	Generator Sets	Diesel	Average	4.00	3.00	14.0	0.74
Trenching	Generator Sets	Diesel	Average	2.00	8.00	6.70	0.74
Trenching	Sweepers/Scrubbers	Diesel	Average	1.00	4.00	36.0	0.46
Trenching	Plate Compactors	Diesel	Average	4.00	6.00	8.00	0.43
Trenching	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	6.00	84.0	0.37
Trenching	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Trenching	Other General Industrial Equipment	Electric	Average	6.00	2.00	35.0	0.34
SCE 66 Kv Subtransmission Work	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	200	0.50
SCE 66 Kv Subtransmission Work	Cranes	Diesel	Tier 4 Final	1.00	5.00	300	0.29
SCE 66 Kv Subtransmission Work	Cranes	Diesel	Tier 4 Final	1.00	8.00	300	0.29
SCE 66 Kv Subtransmission Work	Crawler Tractors	Diesel	Tier 4 Final	1.00	8.00	300	0.43
SCE 66 Kv Subtransmission Work	Excavators	Diesel	Tier 4 Final	1.00	8.00	160	0.38
SCE 66 Kv Subtransmission Work	Other Construction Equipment	Diesel	Tier 4 Final	2.00	8.00	180	0.42
SCE 66 Kv Subtransmission Work	Rollers	Diesel	Tier 4 Final	1.00	8.00	60.0	0.38
SCE 66 Kv Subtransmission Work	Skid Steer Loaders	Diesel	Average	1.00	8.00	46.0	0.37
SCE 66 Kv Subtransmission Work	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	3.00	200	0.37

SCE 66 Kv Subtransmission Work	Other Construction Equipment	Diesel	Tier 4 Final	2.00	8.00	75.0	0.42
SCE 66 Kv Subtransmission Work	Generator Sets	Gasoline	Average	1.00	8.00	45.0	0.68
SCE 66 Kv Subtransmission Work	Other Construction Equipment	Gasoline	Tier 4 Final	2.00	8.00	5.00	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	96.0	12.6	LDA,LDT1,LDT2
Demolition	Vendor	30.0	7.75	HHDT,MHDT
Demolition	Hauling	263	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation/Rough Grading	—	—	—	—
Site Preparation/Rough Grading	Worker	88.0	12.6	LDA,LDT1,LDT2
Site Preparation/Rough Grading	Vendor	36.0	7.75	HHDT,MHDT
Site Preparation/Rough Grading	Hauling	216	0.50	HHDT
Site Preparation/Rough Grading	Onsite truck	2.00	20.0	HHDT
Piles & Foundations	—	—	—	—
Piles & Foundations	Worker	108	12.6	LDA,LDT1,LDT2
Piles & Foundations	Vendor	70.0	7.75	HHDT,MHDT
Piles & Foundations	Hauling	4.00	0.50	HHDT
Piles & Foundations	Onsite truck	2.00	20.0	HHDT
Paving	—	—	—	—
Paving	Worker	80.0	12.6	LDA,LDT1,LDT2

Paving	Vendor	58.0	7.75	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	82.0	12.6	LDA,LDT1,LDT2
Architectural Coating	Vendor	54.0	7.75	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Steel, Pipe, Equipment & Building Erection	—	—	—	—
Steel, Pipe, Equipment & Building Erection	Worker	108	12.6	LDA,LDT1,LDT2
Steel, Pipe, Equipment & Building Erection	Vendor	68.0	7.75	HHDT,MHDT
Steel, Pipe, Equipment & Building Erection	Hauling	4.00	1.72	HHDT
Steel, Pipe, Equipment & Building Erection	Onsite truck	2.00	20.0	HHDT
Electrical & Instrument	—	—	—	—
Electrical & Instrument	Worker	112	12.6	LDA,LDT1,LDT2
Electrical & Instrument	Vendor	64.0	7.75	HHDT,MHDT
Electrical & Instrument	Hauling	0.00	20.0	HHDT
Electrical & Instrument	Onsite truck	2.00	20.0	HHDT
Commissioning & Startup	—	—	—	—
Commissioning & Startup	Worker	72.0	12.6	LDA,LDT1,LDT2
Commissioning & Startup	Vendor	24.0	7.75	HHDT,MHDT
Commissioning & Startup	Hauling	0.00	20.0	HHDT
Commissioning & Startup	Onsite truck	—	—	HHDT
Mobilization	—	—	—	—

Mobilization	Worker	50.0	12.6	LDA,LDT1,LDT2
Mobilization	Vendor	0.00	7.75	HHDT,MHDT
Mobilization	Hauling	0.00	20.0	HHDT
Mobilization	Onsite truck	—	—	HHDT
Demobilization	—	—	—	—
Demobilization	Worker	60.0	12.6	LDA,LDT1,LDT2
Demobilization	Vendor	0.00	7.75	HHDT,MHDT
Demobilization	Hauling	0.00	20.0	HHDT
Demobilization	Onsite truck	—	—	HHDT
Trenching	—	—	—	—
Trenching	Worker	88.0	12.6	LDA,LDT1,LDT2
Trenching	Vendor	70.0	7.75	HHDT,MHDT
Trenching	Hauling	4.00	0.50	HHDT
Trenching	Onsite truck	2.00	20.0	HHDT
SCE Retention Substation	—	—	—	—
SCE Retention Substation	Worker	16.0	12.6	LDA,LDT1,LDT2
SCE Retention Substation	Vendor	26.0	7.75	HHDT,MHDT
SCE Retention Substation	Hauling	4.00	20.0	HHDT
SCE Retention Substation	Onsite truck	—	—	HHDT
SCE Saugus Substation	—	—	—	—
SCE Saugus Substation	Worker	16.0	12.6	LDA,LDT1,LDT2
SCE Saugus Substation	Vendor	6.00	7.75	HHDT,MHDT
SCE Saugus Substation	Hauling	0.00	20.0	HHDT
SCE Saugus Substation	Onsite truck	—	—	HHDT
SCE Telecom	—	—	—	—
SCE Telecom	Worker	10.0	12.6	LDA,LDT1,LDT2
SCE Telecom	Vendor	20.0	7.75	HHDT,MHDT

SCE Telecom	Hauling	0.00	20.0	HHDT
SCE Telecom	Onsite truck	—	—	HHDT
SCE 66 Kv Subtransmission Work	—	—	—	—
SCE 66 Kv Subtransmission Work	Worker	24.0	12.6	LDA,LDT1,LDT2
SCE 66 Kv Subtransmission Work	Vendor	82.0	7.75	HHDT,MHDT
SCE 66 Kv Subtransmission Work	Hauling	10.0	20.0	HHDT
SCE 66 Kv Subtransmission Work	Onsite truck	—	—	HHDT
Decommissioning	—	—	—	—
Decommissioning	Worker	15.0	12.6	LDA,LDT1,LDT2
Decommissioning	Vendor	14.0	7.75	HHDT,MHDT
Decommissioning	Hauling	4.00	20.0	HHDT
Decommissioning	Onsite truck	—	—	HHDT
Decommissioning Mobilization	—	—	—	—
Decommissioning Mobilization	Worker	93.2	12.6	LDA,LDT1,LDT2
Decommissioning Mobilization	Vendor	36.4	7.75	HHDT,MHDT
Decommissioning Mobilization	Hauling	0.00	20.0	HHDT
Decommissioning Mobilization	Onsite truck	—	—	HHDT
Decommissioning Demobilization	—	—	—	—
Decommissioning Demobilization	Worker	93.2	12.6	LDA,LDT1,LDT2
Decommissioning Demobilization	Vendor	36.4	7.75	HHDT,MHDT
Decommissioning Demobilization	Hauling	0.00	20.0	HHDT
Decommissioning Demobilization	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	96.0	12.6	LDA,LDT1,LDT2

Demolition	Vendor	30.0	7.75	HHDT,MHDT
Demolition	Hauling	263	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation/Rough Grading	—	—	—	—
Site Preparation/Rough Grading	Worker	88.0	12.6	LDA,LDT1,LDT2
Site Preparation/Rough Grading	Vendor	36.0	7.75	HHDT,MHDT
Site Preparation/Rough Grading	Hauling	216	0.50	HHDT
Site Preparation/Rough Grading	Onsite truck	2.00	20.0	HHDT
Piles & Foundations	—	—	—	—
Piles & Foundations	Worker	108	12.6	LDA,LDT1,LDT2
Piles & Foundations	Vendor	70.0	7.75	HHDT,MHDT
Piles & Foundations	Hauling	4.00	0.50	HHDT
Piles & Foundations	Onsite truck	2.00	20.0	HHDT
Paving	—	—	—	—
Paving	Worker	80.0	12.6	LDA,LDT1,LDT2
Paving	Vendor	58.0	7.75	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	82.0	12.6	LDA,LDT1,LDT2
Architectural Coating	Vendor	54.0	7.75	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Steel, Pipe, Equipment & Building Erection	—	—	—	—
Steel, Pipe, Equipment & Building Erection	Worker	108	12.6	LDA,LDT1,LDT2
Steel, Pipe, Equipment & Building Erection	Vendor	68.0	7.75	HHDT,MHDT

Steel, Pipe, Equipment & Building Erection	Hauling	4.00	1.72	HHDT
Steel, Pipe, Equipment & Building Erection	Onsite truck	2.00	20.0	HHDT
Electrical & Instrument	—	—	—	—
Electrical & Instrument	Worker	112	12.6	LDA,LDT1,LDT2
Electrical & Instrument	Vendor	64.0	7.75	HHDT,MHDT
Electrical & Instrument	Hauling	0.00	20.0	HHDT
Electrical & Instrument	Onsite truck	2.00	20.0	HHDT
Commissioning & Startup	—	—	—	—
Commissioning & Startup	Worker	72.0	12.6	LDA,LDT1,LDT2
Commissioning & Startup	Vendor	24.0	7.75	HHDT,MHDT
Commissioning & Startup	Hauling	0.00	20.0	HHDT
Commissioning & Startup	Onsite truck	—	—	HHDT
Mobilization	—	—	—	—
Mobilization	Worker	50.0	12.6	LDA,LDT1,LDT2
Mobilization	Vendor	0.00	7.75	HHDT,MHDT
Mobilization	Hauling	0.00	20.0	HHDT
Mobilization	Onsite truck	—	—	HHDT
Demobilization	—	—	—	—
Demobilization	Worker	60.0	12.6	LDA,LDT1,LDT2
Demobilization	Vendor	0.00	7.75	HHDT,MHDT
Demobilization	Hauling	0.00	20.0	HHDT
Demobilization	Onsite truck	—	—	HHDT
Trenching	—	—	—	—
Trenching	Worker	88.0	12.6	LDA,LDT1,LDT2
Trenching	Vendor	70.0	7.75	HHDT,MHDT
Trenching	Hauling	4.00	0.50	HHDT

Trenching	Onsite truck	2.00	20.0	HHDT
SCE Retention Substation	—	—	—	—
SCE Retention Substation	Worker	16.0	12.6	LDA,LDT1,LDT2
SCE Retention Substation	Vendor	26.0	7.75	HHDT,MHDT
SCE Retention Substation	Hauling	4.00	20.0	HHDT
SCE Retention Substation	Onsite truck	—	—	HHDT
SCE Saugus Substation	—	—	—	—
SCE Saugus Substation	Worker	16.0	12.6	LDA,LDT1,LDT2
SCE Saugus Substation	Vendor	6.00	7.75	HHDT,MHDT
SCE Saugus Substation	Hauling	0.00	20.0	HHDT
SCE Saugus Substation	Onsite truck	—	—	HHDT
SCE Telecom	—	—	—	—
SCE Telecom	Worker	10.0	12.6	LDA,LDT1,LDT2
SCE Telecom	Vendor	20.0	7.75	HHDT,MHDT
SCE Telecom	Hauling	0.00	20.0	HHDT
SCE Telecom	Onsite truck	—	—	HHDT
SCE 66 Kv Subtransmission Work	—	—	—	—
SCE 66 Kv Subtransmission Work	Worker	24.0	12.6	LDA,LDT1,LDT2
SCE 66 Kv Subtransmission Work	Vendor	82.0	7.75	HHDT,MHDT
SCE 66 Kv Subtransmission Work	Hauling	10.0	20.0	HHDT
SCE 66 Kv Subtransmission Work	Onsite truck	—	—	HHDT
Decommissioning	—	—	—	—
Decommissioning	Worker	15.0	12.6	LDA,LDT1,LDT2
Decommissioning	Vendor	14.0	7.75	HHDT,MHDT
Decommissioning	Hauling	4.00	20.0	HHDT
Decommissioning	Onsite truck	—	—	HHDT
Decommissioning Mobilization	—	—	—	—

Decommissioning Mobilization	Worker	93.2	12.6	LDA,LDT1,LDT2
Decommissioning Mobilization	Vendor	36.4	7.75	HHDT,MHDT
Decommissioning Mobilization	Hauling	0.00	20.0	HHDT
Decommissioning Mobilization	Onsite truck	—	—	HHDT
Decommissioning Demobilization	—	—	—	—
Decommissioning Demobilization	Worker	93.2	12.6	LDA,LDT1,LDT2
Decommissioning Demobilization	Vendor	36.4	7.75	HHDT,MHDT
Decommissioning Demobilization	Hauling	0.00	20.0	HHDT
Decommissioning Demobilization	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%

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)
Architectural Coating	0.00	0.00	332,900	110,967	47,317

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 (Ton of Debris)	Acres Paved (acres)
Demolition	—	65,250	0.00	300	—

Decommissioning	0.00	0.00	0.00	—	—
Site Preparation/Rough Grading	—	220,000	72.0	0.00	—
Paving	0.00	0.00	0.00	0.00	20.1

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
General Heavy Industry	0.00	0%
Other Asphalt Surfaces	1.40	100%
Other Non-Asphalt Surfaces	16.7	0%
User Defined Linear	2.01	100%
General Heavy Industry	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	1,084	532	0.03	< 0.005
2026	1,190	532	0.03	< 0.005
2027	1,048	532	0.03	< 0.005
2028	123	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	24.8	annual days of extreme heat
Extreme Precipitation	5.45	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	32.9	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ 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. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events.

Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	88.8

AQ-PM	44.8
AQ-DPM	53.5
Drinking Water	71.5
Lead Risk Housing	1.13
Pesticides	41.9
Toxic Releases	45.0
Traffic	85.7
Effect Indicators	—
CleanUp Sites	0.00
Groundwater	81.0
Haz Waste Facilities/Generators	95.6
Impaired Water Bodies	43.8
Solid Waste	63.7
Sensitive Population	—
Asthma	10.9
Cardio-vascular	22.2
Low Birth Weights	18.6
Socioeconomic Factor Indicators	—
Education	0.04
Housing	13.1
Linguistic	39.2
Poverty	2.34
Unemployment	33.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
-----------	---------------------------------

Economic	—
Above Poverty	94.81586039
Employed	56.3839343
Median HI	96.71500064
Education	—
Bachelor's or higher	92.62158347
High school enrollment	18.20864879
Preschool enrollment	78.82715257
Transportation	—
Auto Access	92.6344155
Active commuting	13.64044655
Social	—
2-parent households	95.40613371
Voting	64.51944052
Neighborhood	—
Alcohol availability	72.97574747
Park access	2.194276915
Retail density	71.2947517
Supermarket access	33.27345053
Tree canopy	55.63967663
Housing	—
Homeownership	82.84357757
Housing habitability	79.72539458
Low-inc homeowner severe housing cost burden	51.09713846
Low-inc renter severe housing cost burden	73.36070833
Uncrowded housing	42.73065572
Health Outcomes	—

Insured adults	78.54484794
Arthritis	0.0
Asthma ER Admissions	98.3
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	49.7
Cognitively Disabled	98.7
Physically Disabled	91.7
Heart Attack ER Admissions	86.0
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	93.5
SLR Inundation Area	0.0
Children	8.1

Elderly	93.3
English Speaking	78.4
Foreign-born	60.5
Outdoor Workers	69.7
Climate Change Adaptive Capacity	—
Impervious Surface Cover	76.8
Traffic Density	65.4
Traffic Access	23.0
Other Indices	—
Hardship	21.4
Other Decision Support	—
2016 Voting	59.1

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	18.0
Healthy Places Index Score for Project Location (b)	88.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Project specific
Construction: Off-Road Equipment	Project specific
Construction: Trips and VMT	Project specific
Construction: Dust From Material Movement	Project specific
Construction: Off-Road Equipment EF	ROG and TOG EFs for gasoline engines are based on USEPA AP42 . (~2x NOx EFs)

Appendix B

South Coast AQMD Tier 2 Screening HRA Tool Inputs and Outputs for Construction

SoCalGas Honor Rancho Compressor Modernization Project
Construction Health Risk Summary

SCAQMD HRA Screening Tool Emissions Estimates

Construction Phase	Year	Total Construction Days	Offroad PM10 Exhaust	Total Lbs	Onroad PM10 Exhaust (lb/day)	Total Lbs
			Lb/Day		Lb/Day	
SCE Retention Substation	2025	140	0.27	37.8	0.015	2.1
SCE Saugus Substation	2025	20	0.01	0.2	0.005	0.1
SCE 6 kV Subtransmission Work	2025	80	0.18	14.4	0.04	3.2
SCE Telecom	2025	20	0.12	2.4	0.01	0.2
Total PM10 Emissions (lbs)						60.1
Model Duration (years)						2
PM10 Emission Per Year (lbs/yr)						30.05

Note: PM10 = particulate matter with diameter of 10 microns or less; lb/day = pounds per day.

The Saugus Substation is a small source of emissions at a considerable distance away and was thus excluded from the analysis.

Source: CalEEMod performed by Yorke Engineering, LLC.

SCAQMD HRA Screening Tool Inputs

Facility Type:	Diesel Reciprocating Internal Combustion Engines
Equipment Characteristics:	175 < Rating < 300 BHP
Project Duration:	2 years
Hours / Day:	8
Days per Week:	5
Residential Receptor Distance (m):	792.48
School Receptor Distance (m):	792.48
Worker Receptor Distance (m):	274.32
Met Station:	SCLR

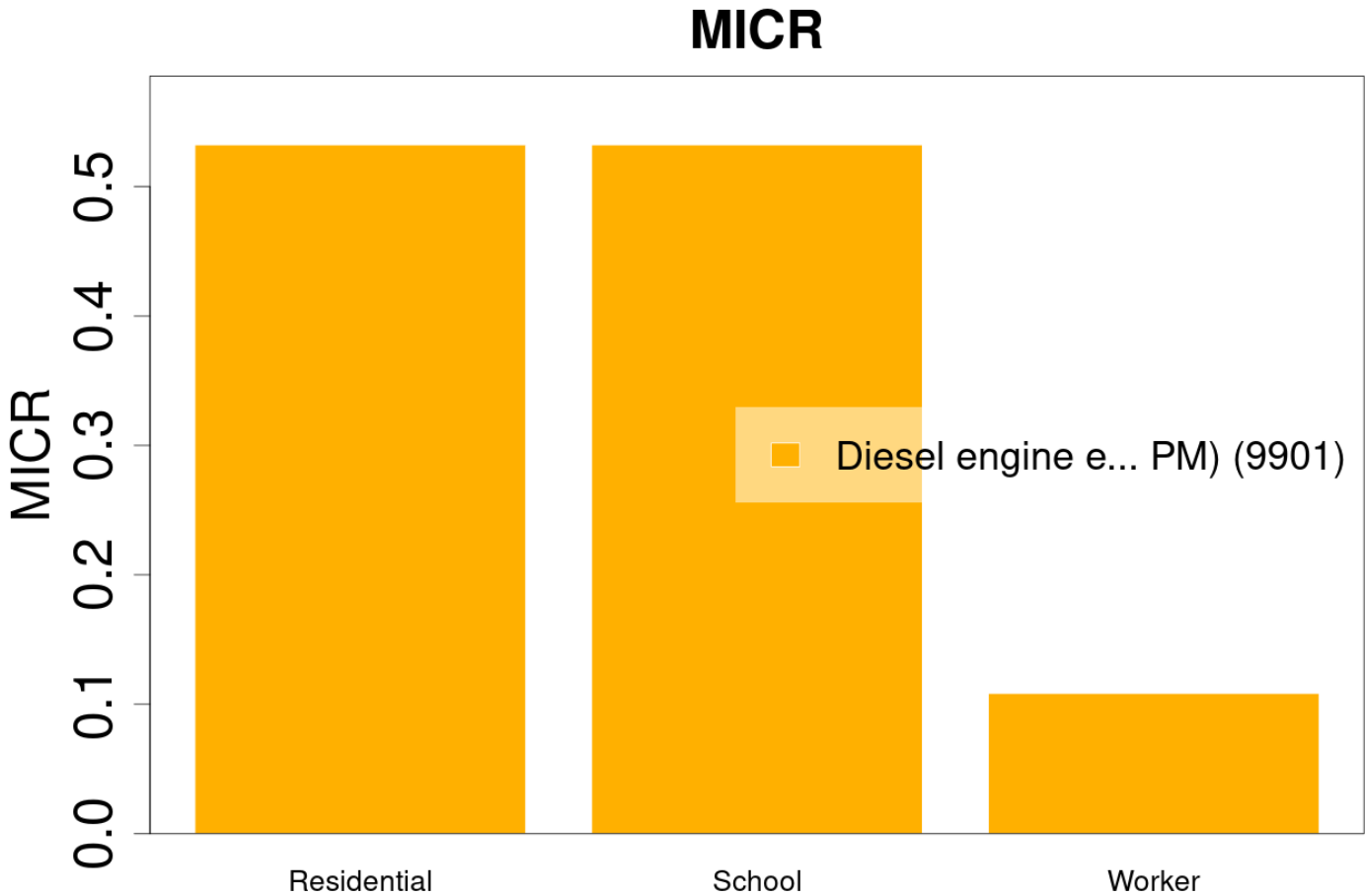
SoCalGas Honor Rancho Compressor Modernization Project
Construction Health Risk Summary

Description	Value
Date & time files saved	2025-10-30 09:45:56
Facility Name	Facility
Deemed complete date	2025-10-30
Facility type selected	Diesel Reciprocating Internal Combustion Engines
Equipment characteristics selected	175 < Rating ≤ 300 BHP
Project duration	2 yrs
Hours of operation per day	8
Days of operation per week	5
Residential receptor distance	792.5
School receptor distance	792.5
Worker receptor distance	274.3
Meteorological station selected	SCLR

SoCalGas Honor Rancho Compressor Modernization Project
Construction Health Risk Summary

Toxic Air Contaminant (CAS No)	Max hourly ER, lb/hr	Max annual ER, lb/yr
Diesel engine exhaust, particulate matter (Diesel PM) (9901)	0	30.05

Receptor	Annual mean conc of Diesel engine exhaust, particulate matter (Diesel PM) (9901) (µg/m³) from Diesel Reciprocating Internal Combustion Engines with 175 < Rating ≤ 300 BHP at SCLR	MICR from Diesel engine exhaust, particulate matter (Diesel PM) (9901), per million	MICR, per million	HQ Chronic	HQ Chronic 8 Max hourly cc	HQ Acute
Residential	0.00155377	0.532142853	0.532142853	0.00031075		
School	0.00155377	0.532142853	0.532142853	0.00031075		
Worker	0.005244805	0.108312572	0.108312572	0.00104896		



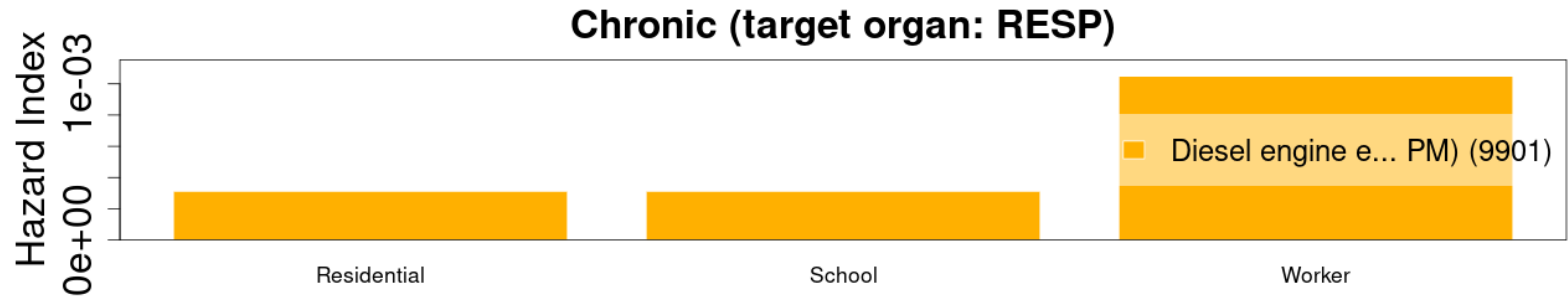
SoCalGas Honor Rancho Compressor Modernization Project
Construction Health Risk Summary

Receptor	MICR, per million	HQ Chronic	HQ Chronic 8hr	HQ Acute
Residential	0.53214285	0.00031075		
School	0.53214285	0.00031075		
Worker	0.10831257	0.00104896		

SoCalGas Honor Rancho Compressor Modernization Project
Construction Health Risk Summary

Toxic Air Cont	Contribution_ max	Impacted_Receptor	Type	Acute REL ug/	Chronic REL u	Chronic 8hr REL ug/m3
Diesel engine	0.00031075	RESP	HI Residential	Chronic	5	
Diesel engine	0.00031075	RESP	HI School	Chronic	5	
Diesel engine	0.00104896	RESP	HI Worker	Chronic	5	

Acute



Chronic 8hr

