

Appendix B

Air Quality and Greenhouse Gas Emissions

Paseo Marina

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Technical Appendix for Air Quality and Greenhouse Gas Emissions

- Appendix B-1: Air Quality and Greenhouse Gas Emissions Methodology
- Appendix B-2: Air Quality Worksheets and Modeling Output Files
 - Appendix B-2.1: Summary of Air Pollutant Emissions
 - Appendix B-2.2: Localized Significance Threshold (LST) Calculation Worksheet
 - Appendix B-2.3: Summary of Construction Assumptions
 - Appendix B-2.4: CalEEMod Outputs
 - Baseline (Existing Year)
 - Baseline (Buildout Year)
 - Project Regional
 - Project Localized
 - Appendix B-2.5: CO Hotspot Analysis
- Appendix B-3: Greenhouse Gas Worksheets and Modeling Output Files
 - Appendix B-3.1: GHG Modeling Parameters and Summary of Emissions
 - GHG Emissions Summary
 - GHG Parameters and Summary
 - VMT Calculations
 - Electric Vehicle Charging Calculations
 - SB 100
 - Appendix B-3.2: CalEEMod Outputs
 - Project Operations No MXD
 - Project Operation with MM/TDM

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Appendix B-1-Air Quality and Greenhouse Gas
Emissions Methodology

AIR QUALITY AND GREENHOUSE GAS EMISSIONS METHODOLOGY

Paseo Marina

Prepared by:

Eyestone Environmental, LLC

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Paseo Marina Project

Air Quality and Greenhouse Gas Emissions Methodology

1. Introduction

Eyestone Environmental has been retained to conduct a comprehensive greenhouse gas (GHG) and criteria air pollutant emissions assessment for the Paseo Marina Project (the “Project”). Emissions during both construction and operation of the Project were quantified. This assessment describes the methodology used to estimate the GHG and air pollutant emissions from existing and Project conditions and describes the methodology used to quantify GHG and air pollutant emission reductions from project design features and mitigation measures.

2. Air Pollutant and Greenhouse Gas Emissions Methodology

The Project would result in direct emissions of criteria pollutants and direct and indirect GHG emissions generated by different types of emissions sources, including:¹

- Direct Emissions:
 - Construction: emissions associated with demolition of existing uses, shoring, excavation, grading, and construction-related equipment and vehicular activity;
 - Area source: emissions associated with consumer products, architectural coatings, and landscape equipment;
 - Energy source (building operations): emissions associated with space heating and cooling, and water heating;

¹ *Direct sources of emissions include Project-related vehicular trips and onsite combustion of fossil fuels (e.g., natural gas, propane, gasoline, and diesel). Whereas, indirect sources of emissions include offsite emissions associated with purchased electricity and embodied energy (e.g., energy used to convey, treat, and distribute water and wastewater)*

- Mobile source: emissions associated with vehicles accessing the project site; and
- Stationary source: emissions associated with stationary equipment (e.g., emergency generators).
- Refrigerants: fugitive GHG emissions associated with building air conditioning and refrigeration equipment.
- Indirect Emissions:
 - Energy source (building operations): emissions associated with energy consumption, and lighting;
 - Solid Waste: emissions associated with the decomposition of the waste, which generates methane based on the total amount of degradable organic carbon; and
 - Water/Wastewater: emissions associated with energy used to pump, convey, deliver, and treat water.

a. Emission Inventories

Project-related construction and operation emissions were calculated using SCAQMD’s recommended California Emissions Estimator Model (CalEEMod). CalEEMod is a statewide land use emissions computer model designed to provide a uniform platform for government agencies, land use planners, and environmental professionals to quantify potential criteria pollutant and GHG emissions associated with both construction and operations from a variety of land use projects. CalEEMod was developed in collaboration with the air districts of California. Data (e.g., emission factors, trip lengths, meteorology, source inventory, etc.) have been provided by the various California air districts to account for local requirements and conditions. The model is considered by the SCAQMD to be an accurate and comprehensive tool for quantifying criteria pollutant and GHG impacts from land use projects throughout California.²

CalEEMod utilizes widely accepted models for emission estimates combined with appropriate default data that can be used if site-specific information is not available. These models and default estimates use sources such as the USEPA AP-42 emission factors, CARB’s on-road emission model (Emission FACTor model (EMFAC)) and off-road equipment emission model (Off-road Emissions Inventory Program model (OFFROAD)).

² See www.caleemod.com.

(1) Construction

Construction activities would generate emissions from off-road equipment usage, on-road vehicle travel (truck hauling, vendor deliveries, and workers commuting), architectural coating, and paving. Each of these source types is discussed in more detail below. The Project's construction emissions were calculated using the SCAQMD recommended CalEEMod (Version 2022.1). Please refer to CalEEMod construction output files for a complete listing of construction details modeled. CalEEMod default values were used for equipment and vehicle emission factors, equipment load factors and vehicle trip lengths. It should be noted that the maximum daily emissions were predicted values for the worst-case day and do not represent the emissions that would occur for every day of Project construction. The maximum daily emissions were compared to the SCAQMD daily regional numeric indicators. Annual emissions were calculated based on the total number of hours each piece of equipment was used and the total number of vehicular trips (i.e., worker, vendor, and haul) over the duration of construction. In accordance with the SCAQMD's guidance, GHG emissions from construction were amortized over the lifetime of the Project. The SCAQMD defines the lifetime of a project as 30 years.³ Therefore, total construction GHG emissions were divided by 30 to determine an annual construction emissions estimate comparable to operational emissions.

(a) Emissions from Construction Equipment

The emission calculations associated with construction equipment are from off-road equipment engine use based on the equipment list and phase length. Since the majority of the off-road construction equipment used for construction projects are diesel fueled, CalEEMod assumes all of the equipment operates on diesel fuel. Construction equipment emissions vary with engine model years in which newer equipment will emit fewer pollutants. As a conservative assumption, the CalEEMod model uses an emission rate for equipment which represents an average model year for available equipment within the Air Basin. CalEEMod calculates the exhaust emissions based on CARB OFFROAD methodology using the equation presented below.

Construction Off-Road Equipment:

$$\text{Emissions Diesel [lbs]} = \left(\sum_i (\text{EF}_i \times \text{Pop}_i \times \text{AvgHP}_i \times \text{Load}_i \times \text{Activity}_i) \right)$$

Where: EF_i = Emission factor from OFFROAD (lbs/hr)

Pop_i = Population (quantity of same equipment)

³ SCAQMD, *Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans*, 2008.

- AvgHP_i = Maximum rated average horsepower (hp)
 Load_i = Load Factor (dimensionless)
 Activity_i = Hours of operation (hours)
i = Summation index

Fugitive dust emissions from use of off-road equipment were also calculated using CalEEMod based on the types of equipment used during grading activities and based on the amount of import/export from loading or unloading dirt into haul trucks. These methods have been adapted from USEPA's AP-42 method for Western Coal Mining. As recommended by SCAQMD, the fugitive dust emissions from the grading phase are calculated using the methodology described in USEPA AP-42. PM₁₀ and PM_{2.5} emissions from fugitive dust will be controlled by watering the construction site three times a day consistent with SCAQMD Rule 403 and were estimated to be reduced by 74 percent.

(b) Emissions from On-Road Trips

Construction generates on-road vehicle exhaust, evaporative, and dust emissions from personal vehicles for worker commuting, vendor deliveries, and trucks for soil and material hauling. These emissions are based on the number of trips and VMT along with emission factors from EMFAC. The emissions from mobile sources were calculated with the trip rates, trip lengths and emission factors for running from EMFAC as follows:

Construction On-Road Equipment:

Emissions pollutant (lbs) = VMT * EF running, pollutant

Where: VMT = vehicle miles traveled (miles)

EF running,pollutant = emission factor for running emissions (lbs/VMT)

Evaporative emissions, starting and idling emissions in CalEEMod were calculated by multiplying the number of trips times the respective emission factor for each pollutant.

(c) Emissions from Architectural Coating

VOC off-gassing emissions result from evaporation of solvents contained in surface coatings. CalEEMod calculates the VOC evaporative emissions from application of residential and non-residential surface coatings using the following equation:

Construction Architectural Coating Emissions:

$$\text{Emissions Architectural Coatings (lbs)} = \text{EF}_{\text{AC}} \times F \times A_{\text{paint}}$$

Where: EF_{AC} = Emission Factor (lb/sf)

A_{paint} = Building Surface Area (sf)

The CalEEMod tool assumes the total surface for painting equals 2.7 times the floor square footage for residential and 2 times that for nonresidential square footage. All of the land use information provided by a metric other than square footage will be converted to square footage using the default conversions or user defined equivalence.

F = fraction of surface area [%].

The default values based on SCAQMD methods used in their coating rules are 75 percent for the interior surfaces and 25 percent for the exterior shell. Parking areas are based on 6-percent coverage.

The emission factor (EF) is based on the VOC content of the surface coatings and is calculated estimated using the equation below:

$$\text{EF}_{\text{AC}} = C_{\text{VOC}}/454(\text{g/lb}) \times 3.785(\text{L/gal})/180(\text{sf})$$

Where: EF = emission factor (lb/sf)

C = VOC content (g/L or gram per liter)

The emission factors for coating categories were calculated using the equation above based on default VOC content from provided by the air districts or CARB's statewide limits in CalEEMod. Architectural coating VOC emission factors are also consistent with SCAQMD Rule 1113 as discussed above.

(d) Emissions from Paving

CalEEMod estimates VOC off-gassing emissions associated with asphalt paving of parking lots using the following equation:

$$\text{Emissions}_{\text{SAP}} (\text{lbs}) = \text{EF}_{\text{AP}} \times A_{\text{parking}}$$

Where: EF = emission factor (lb/acre)

A = area of the parking lot (acre)

Note: The Sacramento Metropolitan Air Quality Management District (SMAQMD) default emission factor is 2.62 lb/acre. This value is used as the default emission factor within CalEEMod

(2) Operation

Similar to construction, the SCAQMD-recommended CalEEMod was used to calculate potential emissions generated by the Project, including area source, energy sources (electricity and natural gas), mobile source, stationary sources (emergency generator), solid waste generation and disposal, water usage/wastewater generation, and refrigeration.

(3) Area Source Emissions

Area source emissions were calculated using the CalEEMod emissions inventory model, which includes consumer products, architectural coatings, and landscape maintenance equipment. Pollutant emissions generated by the Project were calculated using CalEEMod defaults, based upon the land uses that will be included in each project.

Consumer products are chemically formulated products used by household and institutional consumers, including, but not limited to, detergents; cleaning compounds; polishes; floor finishes; cosmetics; personal care products; home, lawn, and garden products; disinfectants; sanitizers; aerosol paints; and automotive specialty products; but does not include other paint products, furniture coatings, or architectural coatings. SCAQMD did an evaluation of consumer product use compared to the total square footage of buildings using data from CARB consumer product Emission Inventory. To calculate the VOC emissions from consumer product use, the following equation was used in CalEEMod:

$$\text{Emissions Consumer Products (lbs)} = \text{EF}_{\text{CP}} \times \text{Building Area}$$

Where:

EF_{CP} = pounds of VOC per building square foot

The factor is 1.98×10^{-5} lbs/sf for SCAQMD areas.

Building Area = the total square footage of all buildings including residential square footage

VOC off-gassing emissions result from evaporation of solvents contained in surface coatings such as in paints and primers. The operational emission methodology from architecture coating is the same as the construction methodology discussed above. All land use buildings are assumed to be repainted at a rate of 10 percent of area per year. This is based on the assumptions used by SCAQMD.

The combustion of fossil fuels to operate landscape equipment such as lawnmowers and trimmers, results in pollutant emissions. The emissions occur on-site and are considered a direct source of pollutant emissions. The emissions for landscaping equipment are based on the size of the land uses, the pollutant emission factors for fuel combustion. Pollutant emissions from landscaping equipment are generally calculated in CalEEMod as follows:

Landscaping Equipment:

$$\text{Landscaping Equipment Emissions [lbs]} = \left(\sum_i (\text{Units} \times \text{EF}_{\text{LE}} \times A_{\text{LE}})_i \right)$$

Where: Units = Number of land use units (same land use type) [1,000 sf]

EF_{LE} = Emission factor [grams (g)/1,000 sfdays]

i = Summation index

Note: For residential land uses, emission factors are specified in units of dwelling units (DU) instead of 1,000 sf.

(4) Energy Emissions (Electricity and Natural Gas)

Pollutant emissions are emitted as a result of activities in buildings when electricity and natural gas are used as energy sources. Combustion of any type of fuel emits pollutant emissions directly into the atmosphere; when this occurs in a building, it is a direct emission source associated with that building. Pollutant emissions are also emitted during the generation of electricity from fossil fuels. When electricity is used in a building, the electricity generation typically takes place off-site at the power plant; electricity use in a building generally causes emissions in an indirect manner.

Energy demand emissions were calculated using the CalEEMod emissions inventory model. Energy use in buildings is divided into energy consumed by the built environment and energy consumed by uses that are independent of the construction of the building such as in plug-in appliances. CalEEMod calculates energy use from systems covered by Title 24 Building Energy Efficiency Standards (e.g., heating, ventilation, and air conditioning [HVAC] system, water heating system, and lighting system); energy use from

lighting; and energy use from office equipment, appliances, plug-ins, and other sources not covered by Title 24 or lighting.

CalEEMod energy demand is based on the California Energy Commission (CEC) sponsored California Commercial End Use Survey (CEUS) study.⁴ The data is specific for Electricity Demand Forecast Zones (EDFZ) and, therefore, EDFZ 16 was selected for the Project Site based on the Project's address. CalEEMod includes 2019 Title 24 Energy Efficiency Standards when calculating project energy usage.

(a) Electricity

Because power plants are existing stationary sources permitted by air districts and/or the USEPA, criteria pollutant emissions are generally associated with the power plants themselves, and not individual buildings or electricity users. Additionally, criteria pollutant emissions from power plants are subject to local, state, and federal control measures, which can be considered to be the maximum feasible level of mitigation for stack emissions. In contrast, GHG emissions from power plants are not subject to stationary source permitting requirements to the same degree as criteria pollutants. As such, GHGs emitted by power plants may be indirectly attributed to individual buildings and electricity users, who have the greatest ability to decrease usage by applying mitigation measures to individual electricity "end uses." CalEEMod therefore calculates GHG emissions (but not criteria pollutant emissions) from regional power plants associated with building electricity use.

Emissions associated with electricity demand are based on the size of the residential, commercial and retail land uses, the electrical demand factors for the land uses, the emission factors for the electricity utility provider, and the GWP values for the GHGs emitted. Annual electricity GHG emissions in units of MTCO_{2e} are calculated as follows:

⁴ 2019 consumption estimates from the CEC's (2020, 2021) 2018–2030 Uncalibrated Commercial Sector Forecast (Commercial Forecast) and the RASS (refer to Table G-28) of Appendix G in CalEEMod User's Guide, 2022..

Electricity:

$$\text{Annual Emissions [MTCO}_2\text{e]} = (\sum_i (\text{Units} \times D_E \times EF_E \times \text{GWP})_i) \div 2,204.62$$

Where: Units = Number of land use units (same land use type) [1,000 sf]

D_E = Electrical demand factor [megawatt-hour (MWh)/1,000 sf/yr]

EF_E = GHG emission factor [pounds per megawatt-hour (MWh)]

GWP = Global warming potential [$\text{CO}_2 = 1$, $\text{CH}_4 = 21$, $\text{N}_2\text{O} = 310$]

2,204.62 = Conversion factor [pounds/MT]

i = Summation index

Note: For residential land uses, emission factors are specified in units of dwelling units (DU) instead of 1,000 sf.

GHG emissions from electricity use are directly dependent on the electricity utility provider. The Los Angeles Department of Water and Power (LADWP) provides electric service to the Project Site. Thus, GHG intensity factors for LADWP were selected in CalEEMod. Intensity factors for GHGs due to electrical generation to serve the electrical demands of the existing condition were obtained from the LADWP 2020 Power Content Label, which provides a CO_2 intensity of 579 pounds of CO_2 per MWh for 2020. By 2030, at least 60 percent of electricity shall be obtained from renewable sources. As year-by-year data is currently not available, the CO_2 intensity factor for the Project buildout was determined based on straight line interpolation based on current and future year data points.

(b) Natural Gas

The direct source emissions associated with natural gas combustion are based on the size of the land uses and the natural gas combustion factors for the land uses in units of million British thermal units (MMBtu). Natural gas emissions are calculated in CalEEMod as follows:

Natural Gas:

$$\text{Natural Gas Emissions (lbs)} = (\sum_i (\text{Units} \times D_{\text{NG}} \times EF_{\text{NG}})_i)$$

Where: Units = Number of land use units (same land use type) [1,000 sf]
 D_{NG} = Natural Gas combustion factor [MMBtu/1,000 sf]
 EF_{NG} = Natural Gas combustion factor [pounds/MMBtu]
 i = Summation index

Note: For residential land uses, emission factors are specified in units of dwelling units (DU) instead of 1,000 sf.

(c) City of Los Angeles All-Electric Ordinance

The Project would be required to comply with the City of LA's All-Electric ordinance which does not allow installation of natural gas-powered equipment (stoves, water heaters, space heating) for new construction with some exceptions. Restaurant uses would be exempt from this ordinance and be allowed to consume natural gas for cooking purposes. While this would decrease the natural gas usage for the Project, electricity usage would increase as a result.

The California Energy Commission (CEC) had conducted various energy surveys to develop energy consumption estimates for electric and natural gas end uses. Data from these surveys was used to calculate the equivalent electricity usage when switching from a natural gas end use, such as cooking, water heating and space heating.⁵ As mentioned above, restaurant cooking uses are exempt from the All-Electric ordinance and were assumed to be powered by natural gas. CalEEMod by default, assumes sources typically powered by natural gas include space heating, water heating, dryers and cooking. Electricity usage rates for these sources (space heating, water heating, dryers and cooking) were obtained from the CEC 2019 RASS and Commercial Forecast to calculate equivalent electricity usage for the Project.

(5) Mobile Source Emissions

Mobile-source emissions were calculated using the CalEEMod emissions inventory model. CalEEMod calculates the emissions associated with on-road mobile sources associated with residents, employees, visitors, and delivery vehicles visiting the Project Site based on the number of daily trips generated and vehicle miles traveled (VMT). The

⁵ CAPCOA Handbook, Table E-15.1 and Table E-15.2

Traffic Study prepared by the Fehr and Peers had calculated Project VMT which was entered into CalEEMod in calculating Project mobile source emissions.

Modeling was also conducted using the Los Angeles County vehicle fleet mix for all vehicle types as provided in EMFAC2017.

Mobile source emissions were generally calculated in CalEEMod as follows:

Mobile:

$$\text{Mobile Emissions [lbs]} = (\sum_i (\text{Units} \times \text{ADT} \times D_{\text{TRIP}} \times \text{EF}_i)$$

- Where: Units = Number of vehicles (same vehicle model year and class)
 ADT = Average daily trip rate [trips/day]
 D_{TRIP} = Trip distance [miles/trip]
 EF = Pollutant emission factor [pounds per mile]
 i = Summation index

Note: For residential land uses, emission factors are specified in units of dwelling units (DU) instead of 1,000 sf.

Mobile source operational emissions were calculated based on the Project VMT estimates provided by the Fehr and Peers.⁶ The Los Angeles Department of Transportation (LADOT) VMT Calculator was used.

Previously, trip generation for land uses was calculated based on survey data collected by the Institute of Transportation Engineers (ITE). However, these ITE trip generation rates were based on data collected at suburban, single-use, free standing sites, which may not be representative of urban mixed-use environments. Beginning in 2019, the USEPA has sponsored a study to collect travel survey data from mixed-use developments in order provide a more representative trip generation rate for multi-use sites. Results of the USEPA survey indicate that trip generation and VMT are affected by factors such as resident and job density, availability of transit, and accessibility of biking and walking paths. Based on these factors, the USEPA has developed equations known as the EPA Mixed-

⁶ *Linscott Law & Greenspan, subsequent revised Transportation Assessment for Paseo Marina Project, July 2021. Note: CalEEMod analysis for Option B overstates daily trips and VMT in comparison to the Transportation Assessment (5,589 versus 5,574 daily trips and 45,271 versus 45,178 VMT).*

Use Development (MXD) model to calculate trip reductions for multi-use developments.⁷ The LADOT VMT Calculator incorporates the USEPA MXD model and accounts for project features such as increased density and proximity to transit, which would reduce VMT and associated fuel usage in comparison to free-standing sites.

The Project design includes characteristics that would reduce trips and VMT as compared to a standard project within the air basin as measured by the air quality model (CalEEMod). While these Project characteristics primarily reduce greenhouse gas emissions, they would also reduce criteria air pollutants discussed herein. These relative reductions in vehicle trips and VMT from a standard project within the air basin help quantify the criteria air pollutant emissions reductions achieved by locating the Project in any infill, HQT A area that promotes alternative modes of transportation.

(6) Stationary Source (Emergency Generator Emissions)

Emissions of GHGs associated with use of emergency generators were calculated using CalEEMod, in which emission factors are based on Table 3.4-1 (Gaseous Emission Factors for Large Stationary Diesel Engines) from EPA's AP-42: Compilation of Air Pollutant Emission Factors. The emissions are based on the horsepower rating of the diesel generator and the number of hours operated per year for testing purposes. Annual emergency generator GHG emissions in units of MTCO_{2e} were calculated as follows:

Emergency Generator:

$$\text{Emissions [lbs]} = (\text{Total HP} \times \text{LF} \times \text{HR} \times \text{EF})$$

Where: Total HP = Total horsepower of emergency generators (Hp)

LF = Load Factor (CalEEMod default of 0.73)

HR = Hours Operated per Year

EF = AP-42 Emission Factor of 1.16 lb/hp-hr)

(7) Solid Waste Emissions

The generation of municipal solid waste (MSW) from day-to-day operational activities generally consists of product packaging, grass clippings, furniture, clothing, bottles, food scraps, newspapers, plastic, and other items routinely disposed of in trash

⁷ Environmental Protection Agency, *Mixed-Use Trip Generation Model*. www.epa.gov/smartgrowth/mixed-use-trip-generation-model. Accessed April 1, 2022.

bins. A portion of the MSW is diverted to waste recycling and reclamation facilities. Waste that is not diverted is usually sent to local landfills for disposal. MSW that is disposed in landfills results in GHG emissions of CO₂ and CH₄ from the decomposition of the waste that occurs over the span of many years.

Emissions of GHGs associated with solid waste disposal were calculated using the CalEEMod emissions inventory model. The emissions are based on the size of the retail and restaurant land uses, the waste disposal rate for the land uses, the waste diversion rate, the GHG emission factors for solid waste decomposition, and the GWP values for the GHGs emitted. Annual waste disposal GHG emissions in units of MTCO_{2e} were calculated in CalEEMod as follows:

Solid Waste:

$$\text{Annual Emissions [MTCO}_2\text{e]} = (\sum_i (\text{Units} \times D_{\text{MSW}} \times EF_{\text{MSW}} \times \text{GWP})_i) \div 1.1023$$

Where: Units = Number of land use units (same land use type) [1,000 sf]

D_{MSW} = Waste disposal rate [tons/1,000 sf/yr]

EF_{MSW} = GHG emission factor [tons/ton waste]

GWP = Global warming potential [CO₂ = 1, CH₄ = 21, N₂O = 310]

1.1023 = Conversion factor [tons/MT]

i = Summation index

Note: For residential land uses, emission factors are specified in units of dwelling units (DU) instead of 1,000 sf.

CalEEMod allows the input of several variables to quantify solid waste emissions. The model requires the amount of waste disposed, which is the product of the waste disposal rate times the land use units. CalEEMod default annual solid waste disposal rates used. The GHG emission factors, particularly for CH₄, depend on characteristics of the landfill, such as the presence of a landfill gas capture system and subsequent flaring or energy recovery. The default values, as provided in CalEEMod, for landfill gas capture (e.g., no capture, flaring, energy recovery), which are statewide averages, were used in this assessment. The Project includes a 76.4-percent recycling/diversion rate currently achieved within the City.⁸

⁸ City of Los Angeles, Sustainable City pLAN, Waste & Landfills, <http://plan.lamayor.org/portfolio/waste-landfills-3rd>, accessed April 1, 2022.

(8) Water Usage and Wastewater Generation Emissions

GHG emissions are related to the energy used to convey, treat, and distribute water and wastewater. Thus, these emissions are generally indirect emissions from the production of electricity to power these systems. Three processes are necessary to supply potable water and include: (1) supply and conveyance of the water from the source; (2) treatment of the water to potable standards; and (3) distribution of the water to individual users. After use, energy is used as the wastewater is treated and reused as reclaimed water.

Emissions related to water usage and wastewater generation were calculated using the CalEEMod emissions inventory model. The emissions are based on the size of the land uses, the water demand factors, the electrical intensity factors for water supply, treatment, and distribution and for wastewater treatment, the GHG emission factors for the electricity utility provider, and the GWP values for the GHGs emitted. CalEEMod default annual water demand and wastewater rates were used. GHG emissions due to electricity are calculated in CalEEMod as follows for indoor and outdoor water demand:

Water Supply, Treatment, and Distribution; Wastewater Treatment (electricity):

$$\text{Annual Emissions [MTCO}_2\text{e]} = (\sum_i (\text{Units} \times D_w \times (\text{El}_w \div 1,000) \times \text{EF}_w \times \text{GWP})_i) \div 2,204.62$$

Where:	Units	= Number of land use units (same land use type) [1,000 sf]
	D_w	= Water demand factor [million gallons (Mgal)/1,000 sf/yr]
	El_w	= Electricity intensity factor [kilowatt-hours (kWh)/Mgal]
	1,000	= Conversion factor [kWh/MWh]
	EF_w	= GHG emission factor [pounds/MWh]
	GWP	= Global warming potential [$\text{CO}_2 = 1$, $\text{CH}_4 = 21$, $\text{N}_2\text{O} = 310$]
	2,205	= Conversion factor [pounds/MT]
	i	= Summation index

Note: For residential land uses, emission factors are specified in units of dwelling units (DU) instead of 1,000 sf.

CalEEMod provides options to account for the use of water saving features such as the use of low-flow water fixtures (e.g., low-flow faucets, low-flow toilets). The same electricity GHG emissions factors discussed above were used for water and wastewater energy usage. In addition, the calculation of Project GHG emissions from

water/wastewater usage accounts for a 20 percent reduction in water/wastewater emissions with implementation of CalGreen requirements.

(9) Refrigerant Emissions

The estimate the fugitive GHG emissions associated with building air conditioning (A/C) and refrigeration equipment is based on the different types of refrigeration equipment used by different types of land uses. For example, an office may use various types of A/C equipment, while a supermarket may use both A/C equipment and refrigeration equipment. All equipment that uses refrigerants has a charge size (i.e., quantity of refrigerant the equipment contains), operational and service refrigerant leak rates (from regular operation and routine servicing), and number of times serviced per lifetime. Each refrigerant has a GWP that is specific to that refrigerant. CalEEMod automatically generates a default A/C and refrigeration equipment inventory for each project land use subtype. CalEEMod quantifies refrigerant emissions from leaks during regular operation and routine servicing over the equipment lifetime and then derives average annual emissions from the lifetime estimate. Note that CalEEMod does not quantify emissions from the disposal of refrigeration and A/C equipment at the end of its lifetime.

Paseo Marina

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Appendix B-2-Air Quality Worksheets and Modeling Output Files

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 - Appendix B-2.1: Summary of Air Pollutant Emissions
 - Appendix B-2.2: Localized Significance Threshold (LST) Calculation Worksheet
 - Appendix B-2.3: Summary of Construction Assumptions
 - Appendix B-2.4: CalEEMod Outputs
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AQ SUMMARY OF EMISSIONS WINTER (Option A)							
Construction Emissions (Unmitigated)							
Regional (Daily) Unmitigated							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
2023	10	107	110	0	19	6	
2024	10	102	114	0	19	6	
2025	26	80	116	0	15	5	
2026	26	77	113	0	15	5	
MAX	26	107	116	<1	19	6	
Threshold	75	100	550	150	150	55	
Difference	(49)	7	(434)	(150)	(131)	(49)	
Impact	No	Yes	No	No	No	No	
Regional (Daily) Mitigated							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
2023	5	81	137	0	17	4	
2024	5	79	148	0	17	4	
2025	22	55	147	0	13	3	
2026	21	54	145	0	13	3	
MAX	22	81	148	<1	17	4	
Threshold	75	100	550	150	150	55	
Difference	(53)	(19)	(402)	(150)	(133)	(51)	
Impact	No	No	No	No	No	No	
Tier IV Mitigation							
Localized (Daily) Unmitigated							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
2023		73	82	0	9	3	
2024		69	82	0	9	3	
2025		65	79	0	5	3	
2026		62	79	0	5	2	
MAX		73	82		9	3	
Threshold		221	1,531		13	6	
Difference		(148)	(1,449)		(4)	(3)	
Impact		No	No		No	No	
Localized (Daily) Mitigated							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
2023		46	109		7	1	
2024		46	109		7	1	
2025		40	111		3	1	
2026		40	111		3	1	
MAX		46	111		7	1	
Threshold		221	1531		13	6	
Difference		(175)	(1,420)		(6)	(5)	
Impact		No	No		No	No	
Tier IV Mitigation							
Operation Emissions (Without Mitigation Measures)							
Regional Baseline (Existing Year)							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
Area	2	<1	<1	<1	<1	<1	
Energy	<1	<1	<1	<1	<1	<1	
Mobile	15	16	120	<1	8	2	
Emergency Generator	<1	<1	<1	<1	<1	<1	
Total	18	16	120	<1	8	2	
Regional Baseline (Buildout Year)							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
Area	2	<1	<1	<1	<1	<1	
Energy	<1	<1	<1	<1	<1	<1	
Mobile	11	9	81	<1	8	1	
Emergency Generator	<1	<1	<1	<1	<1	<1	
Total	14	9	81	<1	8	1	
Regional Buildout (Buildout Year)							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
Area	16	<1	<1	<1	<1	<1	
Energy	<1	<1	<1	<1	<1	<1	
Mobile	16	12	120	<1	11	2	
Emergency Generator	2	<1	5	<1	<1	<1	
Total	34	14	125	<1	11	2	
Project Regional (Buildout Less Baseline (Buildout Year))							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
Area	13	<1	<1	<1	<1	<1	
Energy	<1	<1	<1	<1	<1	<1	
Mobile	5	4	39	<1	3	<1	
Emergency Generator	2	<1	5	<1	<1	<1	
Total	20	5	44	<1	3	<1	
Threshold	55	55	550	150	150	55	
Difference	(35)	(50)	(506)	(150)	(147)	(54)	
Impact	No	No	No	No	No	No	
Project Localized (Buildout Less Baseline (Buildout Year))							
Onsite Total		1.3	5.2		0.04	0.04	
Threshold		221	1531		3	2.0	
Difference		(220)	(1526)		(3)	(2)	
Impact		No	No		No	No	

AQ SUMMARY OF EMISSIONS SUMMER (Option A)							
Construction Emissions (Unmitigated)							
Regional (Daily) Unmitigated							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
2023	7	79	81	<1	18	5	
2024	13	127	152	<1	25	8	
2025	23	54	87	<1	13	4	
2026	23	50	76	<1	9	3	
MAX	23	127	152	<1	25	8	
Threshold	75	100	550	150	150	55	
Difference	(52)	27	(398)	(150)	(125)	(47)	
Impact	No	Yes	No	No	No	No	
Regional (Daily) Mitigated							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
2023	3	58	97	<1	16	4	
2024	7	97	191	<1	22	6	
2025	20	40	110	<1	11	3	
2026	20	34	96	<1	8	2	
MAX	20	97	191	<1	22	6	
Threshold	75	100	550	150	150	55	
Difference	(55)	(3)	(359)	(150)	(128)	(49)	
Impact	No	No	No	No	No	No	
Tier IV Mitigation							
Localized (Daily) Unmitigated							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
2023		50	62		9	3	
2024		89	104		10	4	
2025		42	50		4	2	
2026		43	54		3	2	
MAX		89	104		10	4	
Threshold		221	1,531		13	6	
Difference		(132)	(1,427)		(3)	(2)	
Impact		No	No		No	No	
Localized (Daily) Mitigated							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
2023		29	76		7	1	
2024		59	144		8	2	
2025		28	74		3	1	
2026		26	74		2	0	
MAX		59	144		8	2	
Threshold		221	1,531		13	6	
Difference		(162)	(1,387)		(5)	(4)	
Impact		No	No		No	No	
Tier IV Mitigation							
Operation Emissions (Without Mitigation Measures)							
Regional Baseline (Existing Year)							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
Area	3	<1	4	<1	<1	<1	
Energy	<1	<1	<1	<1	<1	<1	
Mobile	16	14	131	<1	8	2	
Emergency Generator	<1	<1	<1	<1	<1	<1	
Total	19	14	135	<1	8	2	
Regional Baseline (Buildout Year)							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
Area	3	<1	4	<1	<1	<1	
Energy	<1	<1	<1	<1	<1	<1	
Mobile	15	8	93	<1	8	1	
Emergency Generator	<1	<1	<1	<1	<1	<1	
Total	18	8	97	<1	8	1	
Regional Buildout (Buildout Year)							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
Area	23	<1	60	<1	<1	<1	
Energy	<1	<1	<1	<1	<1	<1	
Mobile	16	11	129	<1	11	2	
Emergency Generator	2	<1	5	<1	<1	<1	
Total	41	13	194	<1	11	2	
Project Regional (Buildout Less Baseline (Buildout Year))							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
Area	19	<1	55	<1	<1	<1	
Energy	<1	<1	<1	<1	<1	<1	
Mobile	2	3	36	<1	3	<1	
Emergency Generator	2	<1	5	<1	<1	<1	
Total	23	5	97	<1	3	<1	
Threshold	55	55	550	150	150	55	
Difference	(32)	(50)	(453)	(150)	(147)	(54)	
Impact	No	No	No	No	No	No	
Project Localized (Buildout Less Baseline (Buildout Year))							
Onsite Total		1.8	60.5		0.09	0.09	
Threshold		221	1531		3	2.0	
Difference		(219)	(1470)		(3)	(2)	
Impact		No	No		No	No	

AQ SUMMARY OF EMISSIONS WINTER (Option B)							
Construction Emissions (Unmitigated)							
Regional (Daily) Unmitigated							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
2023	10	107	110	<1	19	6	
2024	10	102	114	<1	19	6	
2025	25	79	115	<1	15	5	
2026	24	76	112	<1	15	5	
MAX	25	107	115	<1	19	6	
Threshold	75	100	550	150	150	55	
Difference	(50)	7	(435)	(150)	(131)	(49)	
Impact	No	Yes	No	No	No	No	
Regional (Daily) Mitigated							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
2023	5	80	145	<1	17	4	
2024	5	78	148	<1	17	4	
2025	20	54	146	<1	13	3	
2026	20	53	144	<1	13	3	
MAX	20	80	148	<1	17	4	
Threshold	75	100	550	150	150	55	
Difference	(55)	(20)	(402)	(150)	(133)	(51)	
Impact	No	No	No	No	No	No	
Tier IV Mitigation							
Localized (Daily) Unmitigated							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
2023		73	82		9	3	
2024		69	82		9	3	
2025		64	78		5	2	
2026		61	78		5	2	
MAX		73	82		9	3	
Threshold		221	1,531		13	6	
Difference		(148)	(1,449)		(4)	(3)	
Impact		No	No		No	No	
Localized (Daily) Mitigated							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
2023		46	117		7	1	
2024		46	117		6	1	
2025		39	110		3	<1	
2026		39	110		3	<1	
MAX		46	117		7	1	
Threshold		221	1531		13	6	
Difference		(175)	(1,414)		(6)	(5)	
Impact		No	No		No	No	
Tier IV Mitigation							
Operation Emissions (Without Mitigation Measures)							
Regional Baseline (Existing Year)							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
Area	2	<1	<1	<1	<1	<1	
Energy	<1	<1	<1	<1	<1	<1	
Mobile	15	16	120	<1	8	2	
Emergency Generator	<1	<1	<1	<1	<1	<1	
Total	18	16	120	<1	8	2	
Regional Baseline (Buildout Year)							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
Area	2	<1	<1	<1	<1	<1	
Energy	<1	<1	<1	<1	<1	<1	
Mobile	11	9	81	<1	8	1	
Emergency Generator	<1	<1	<1	<1	<1	<1	
Total	14	9	81	<1	8	1	
Regional Buildout (Buildout Year)							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
Area	13	<1	<1	<1	<1	<1	
Energy	<1	<1	<1	<1	<1	<1	
Mobile	18	14	135	<1	13	2	
Emergency Generator	2	<1	5	<1	<1	<1	
Total	33	16	140	<1	13	3	
Project Regional (Buildout Less Baseline (Buildout Year))							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
Area	11	<1	<1	<1	<1	<1	
Energy	<1	<1	<1	<1	<1	<1	
Mobile	6	5	54	<1	5	1	
Emergency Generator	2	<1	5	<1	<1	<1	
Total	19	7	59	<1	5	1	
Threshold	55	55	550	150	150	55	
Difference	(36)	(48)	(491)	(150)	(145)	(54)	
Impact	No	No	No	No	No	No	
Project Localized (Buildout Less Baseline (Buildout Year))							
	Onsite Total	1.4	5.3		0.05	0.05	
Threshold	221	1531		3	2.0		
Difference	(220)	(1526)		(3)	(2)		
Impact	No	No		No	No		

AQ SUMMARY OF EMISSIONS SUMMER (Option B)							
Construction Emissions (Unmitigated)							
Regional (Daily) Unmitigated							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
2023	7	79	81	<1	18	5	
2024	13	128	165	<1	27	8	
2025	22	54	86	<1	12	4	
2026	21	49	76	<1	9	3	
MAX	22	128	165	<1	27	8	
Threshold	75	100	550	150	150	55	
Difference	(53)	28	(385)	(150)	(123)	(47)	
Impact	No	Yes	No	No	No	No	
Regional (Daily) Mitigated							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
2023	3	57	105	<1	16	4	
2024	7	95	214	<1	24	6	
2025	19	40	110	<1	11	3	
2026	18	33	95	<1	7	2	
MAX	19	95	214	<1	24	6	
Threshold	75	100	550	150	150	55	
Difference	(56)	(5)	(336)	(150)	(126)	(49)	
Impact	No	No	No	No	No	No	
Tier IV Mitigation							
Localized (Daily) Unmitigated							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
2023		50	62		10	3	
2024		89	106		10	4	
2025		41	50		4	2	
2026		41	53		3	2	
MAX		89	106		10	4	
Threshold		221	1,531		13	6	
Difference		(132)	(1,425)		(3)	(2)	
Impact		No	No		No	No	
Localized (Daily) Mitigated							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
2023		30	84		8	1	
2024		57	155		8	1	
2025		27	74		3	<1	
2026		25	73		2	<1	
MAX		57	155		8	1	
Threshold		221	1531		13	6	
Difference		(164)	(1,376)		(5)	(5)	
Impact		No	No		No	No	
Tier IV Mitigation							
Operation Emissions (Without Mitigation Measures)							
Regional Baseline (Existing Year)							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
Area	3	<1	4	<1	<1	<1	
Energy	<1	<1	<1	<1	<1	<1	
Mobile	16	14	131	<1	8	2	
Emergency Generator	<1	<1	<1	<1	<1	<1	
Total	19	14	135	<1	8	2	
Regional Baseline (Buildout Year)							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
Area	3	<1	4	<1	<1	<1	
Energy	<1	<1	<1	<1	<1	<1	
Mobile	15	8	93	<1	8	1	
Emergency Generator	<1	<1	<1	<1	<1	<1	
Total	18	8	97	<1	8	1	
Regional Buildout (Buildout Year)							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
Area	20	<1	52	<1	<1	<1	
Energy	<1	<1	<1	<1	<1	<1	
Mobile	18	13	148	<1	13	2	
Emergency Generator	2	<1	5	<1	<1	<1	
Total	40	15	206	<1	13	3	
Project Regional (Buildout Less Baseline (Buildout Year))							
	ROG	NO _x	CO	SO2	PM ₁₀	PM _{2.5}	
Area	17	<1	48	<1	<1	<1	
Energy	<1	<1	<1	<1	<1	<1	
Mobile	3	5	55	<1	5	<1	
Emergency Generator	2	<1	5	<1	<1	<1	
Total	22	6	108	<1	5	1	
Threshold	55	55	550	150	150	55	
Difference	(33)	(49)	(442)	(150)	(145)	(54)	
Impact	No	No	No	No	No	No	
Project Localized (Buildout Less Baseline (Buildout Year))							
Onsite Total		1.8	53.1		0.09	0.10	
Threshold		221	1531		3	2.0	
Difference		(219)	(1478)		(3)	(2)	
Impact		No	No		No	No	

Step 1. Determine Allowable Increase using 98th percentile NO2 and Max NO2 data
NW Coastal NO2 Monitoring Data

SRA	City	Design Value	98th percentile, ppb		
		2017-2019	2017	2018	2019
NW Coastal	West LA	45	46	46	43

SRA	City	Design Value	Max Hourly, ppb			
		2006-2008	2006	2007	2008	2009
NW Coastal	West LA	90	78	82	90	77
			0.11	0.09	0.11	

Max Hourly vs. 98th Percentile Ratio (Allowable Increase)	61%
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Threshold (ppb) Allowable Increase (ppb)
 100 55

Threshold (ppb) Allowable Increase (ppb)
 180 90

Step 2. Use ratio in Step 1 to determine LST lookup value. Extrapolate/Interpolate LST look-up value for project area

LST Threshold (SRA 2, 25 meter receptor)

Project Size (acres)	NO2 (lbs/day)	98th Percentile NO2 (lbs/day)	CO (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	PM10 Ops (lbs/day)	PM2.5 Ops (lbs/day)
5	221	135	1531	13	6	3	2

Construction Air Quality Analysis Assumptions (Option A)

Paseo Marina

6/11/2021

The following information describes the quantity of construction equipment projected during the various stages of construction.

Construction Details	Start Date	End Date	Construct. Duration (months)	Daily Employee Trips	Max. Daily Haul Trips	Total Haul Trips	Max. Daily Deliveries
Overall Project (start of demo to end of construction)	02/01/23	06/30/26	41				
Demolition (12 Trucks per Day)	02/01/23	05/30/23	4	40	60	5,100	4
Grading Building 1-3	05/01/23	06/02/24	13	60	120	34,543	4
Podium Building 1	08/01/23	03/31/24	8	75			70
Podium Building 2	11/01/23	06/30/24	8	75			70
Podium Building 3	05/04/24	12/31/24	8	75			70
Construction Building 1	04/01/24	10/31/25	19	225			70
Construction Building 2	07/01/24	01/31/26	19	225			70
Architectural Coating	07/01/25	06/29/26	12	0			5
Paving Building 1	12/01/25	01/31/26	2	70			24
Construction Building 3	12/01/25	06/28/26	7	225			70
Paving Building 2	02/01/26	03/31/26	2	70			24
Paving Building 3	05/01/26	06/30/26	2	70			24
Demolition Quantities (total site) Quantities							
Building Demo Area (sf) total site	100,781	sf					
Surface Parking Demo Area (sf) total site	142,000	sf					
Import / Export Quantities during Grading							
Soil Import (cy) total site	-	cy					
Soil Export (cy) total site	241,800	cy					

Anticipated Type of Construction Equipment (number of units for each phase. Assumed 8 hours per day, 5 days per week)

Equipment Type	Site		Building 1			Building 2			Building 3		
	Demo	Grading/Excavation	Foundation/Podium	Building Construction	Paving/Landscape	Foundation/Podium	Building Construction	Paving/Landscape	Foundation/Podium	Building Construction	Paving/Landscape
Air Compressor	1	-	1	3	2	1	3	2	1	3	2
Aerial Lift	-	-	-	-	-	-	-	-	-	-	-
Bore/Drill Rig	-	2	-	-	-	-	-	-	-	-	-
Cement and Mortar Mixers	-	1	3	-	2	3	-	2	3	-	2
Concrete/Industrial Saws	2	-	3	1	1	3	1	1	3	1	1
Cranes (tower)	-	1	1	1	-	1	1	-	1	1	-
Cranes (mobile)	-	-	1	1	1	1	1	1	1	1	1
Crawler Tractors	-	-	-	-	-	-	-	-	-	-	-
Crushing/Proc. Equipment	1	-	-	-	-	-	-	-	-	-	-
Dewatering Equipment	1	1	1	-	-	-	-	-	-	-	-
Excavators	2	2	-	-	-	-	-	-	-	-	-
Forklifts	-	-	2	3	2	2	3	2	2	3	2
Generator Sets	-	1	-	-	-	-	-	-	-	-	-
Graders	-	-	-	-	-	-	-	-	-	-	-
Off-Highway Tractors	-	-	-	-	-	-	-	-	-	-	-
Water Truck	1	1	1	1	1	1	1	1	1	1	1
Pavers	-	-	-	-	1	-	-	1	-	-	1
Paving Equipment	-	-	-	-	1	-	-	1	-	-	1
Pumps	-	-	-	-	-	-	-	-	-	-	-
Plate Compactors	-	-	2	-	2	2	-	2	2	-	2
Rollers	-	2	-	-	1	-	-	1	-	-	1
Rough Terrain Forklifts	-	-	-	-	-	-	-	-	-	-	-
Rubber-tired Dozers	-	-	-	-	-	-	-	-	-	-	-
Rubber-tired Loaders	1	2	-	1	1	-	1	1	-	1	1
Scrapers	-	-	-	-	-	-	-	-	-	-	-
Signal Boards	2	2	2	2	2	2	2	2	2	2	2
Skid Steer Loaders	1	1	1	1	1	1	1	1	1	1	1
Surfacing Equipment	-	-	-	-	-	-	-	-	-	-	-
Tractors/Loaders/Backhoes	1	1	-	-	1	-	-	1	-	-	1
Trenchers	-	-	-	-	1	-	-	1	-	-	1
Welders	1	2	2	2	1	2	2	1	2	2	1
Total Pieces	14	19	20	16	21	19	16	21	19	16	21

Construction Air Quality Analysis Assumptions (Option B)

Paseo Marina

6/11/2021

The following information describes the quantity of construction equipment projected during the various stages of construction.

Construction Details	Start Date	End Date	Construct. Duration (months)	Daily Employee Trips	Max. Daily Haul Trips	Total Haul Trips	Max. Daily Deliveries
Overall Project (start of demo to end of construction)	02/01/23	06/30/26	41				
Demolition (12 Trucks per Day)	02/01/23	05/30/23	4	40	60	5,100	4
Grading Building 1-3	05/01/23	07/03/24	14	60	120	35,857	4
Podium Building 3	08/01/23	03/31/24	8	75			70
Podium Building 1	11/01/23	06/30/24	8	75			70
Podium Building 2	05/04/24	12/31/24	8	75			70
Construction Building 3	04/01/24	10/31/25	19	225			70
Construction Building 1	07/01/24	01/31/26	19	225			70
Architectural Coating	07/01/25	06/29/26	12	0			5
Paving Building 3	12/01/25	01/31/26	2	70			24
Construction Building 2	12/01/25	06/28/26	7	225			70
Paving Building 1	02/01/26	03/31/26	2	70			24
Paving Building 2	05/01/26	06/30/26	2	70			24
Demolition Quantities (total site)							
Quantities							
Building Demo Area (sf) total site	100,781	sf					
Surface Parking Demo Area (sf) total site	142,000	sf					
Import / Export Quantities during Grading							
Soil Import (cy) total site		cy					
Soil Export (cy) total site	251,000	cy					

Anticipated Type of Construction Equipment (number of units for each phase. Assumed 8 hours per day, 5 days per week.

Equipment Type	Site		Building 3			Building 1			Building 2		
	Demo	Grading/Excavation	Foundation/Podium	Building Construction	Paving/Landscape	Foundation/Podium	Building Construction	Paving/Landscape	Foundation/Podium	Building Construction	Paving/Landscape
Air Compressor	1	-	1	3	2	1	3	2	1	3	2
Aerial Lift	-	-	-	-	-	-	-	-	-	-	-
Bore/Drill Rig	-	2	-	-	-	-	-	-	-	-	-
Cement and Mortar Mixers	-	1	3	-	2	3	-	2	3	-	2
Concrete/Industrial Saws	2	-	3	1	1	3	1	1	3	1	1
Cranes (tower)	-	1	1	1	-	1	1	-	1	1	-
Cranes (mobile)	-	-	1	1	1	1	1	1	1	1	1
Crawler Tractors	-	-	-	-	-	-	-	-	-	-	-
Crushing/Proc. Equipment	1	-	-	-	-	-	-	-	-	-	-
Dewatering Equipment	1	1	1	-	-	-	-	-	-	-	-
Excavators	2	2	-	-	-	-	-	-	-	-	-
Forklifts	-	-	2	3	2	2	3	2	2	3	2
Generator Sets	-	1	-	-	-	-	-	-	-	-	-
Graders	-	-	-	-	-	-	-	-	-	-	-
Off-Highway Tractors	-	-	-	-	-	-	-	-	-	-	-
Water Truck	1	1	1	1	1	1	1	1	1	1	1
Pavers	-	-	-	-	1	-	-	1	-	-	1
Paving Equipment	-	-	-	-	1	-	-	1	-	-	1
Pumps	-	-	-	-	-	-	-	-	-	-	-
Plate Compactors	-	-	2	-	2	2	-	2	2	-	2
Rollers	-	2	-	-	1	-	-	1	-	-	1
Rough Terrain Forklifts	-	-	-	-	-	-	-	-	-	-	-
Rubber-tired Dozers	-	-	-	-	-	-	-	-	-	-	-
Rubber-tired Loaders	1	2	-	1	1	-	1	1	-	1	1
Scrapers	-	-	-	-	-	-	-	-	-	-	-
Signal Boards	2	2	2	2	2	2	2	2	2	2	2
Skid Steer Loaders	1	1	1	1	1	1	1	1	1	1	1
Surfacing Equipment	-	-	-	-	-	-	-	-	-	-	-
Tractors/Loaders/Backhoes	1	1	-	-	1	-	-	1	-	-	1
Trenchers	-	-	-	-	1	-	-	1	-	-	1
Welders	1	2	2	2	1	2	2	1	2	2	1
Total Pieces	14	19	20	16	21	19	16	21	19	16	21

Paseo Marina - Existing Baseline Detailed Report

Table of Contents

- 1. Basic Project Information
 - 1.1. Basic Project Information
 - 1.2. Land Use Types
 - 1.3. User-Selected Emission Reduction Measures by Emissions Sector
- 2. Emissions Summary
 - 2.4. Operations Emissions Compared Against Thresholds
 - 2.5. Operations Emissions by Sector, Unmitigated
 - 2.6. Operations Emissions by Sector, Mitigated
- 4. Operations Emissions Details
 - 4.1. Mobile Emissions by Land Use
 - 4.1.1. Unmitigated
 - 4.1.2. Mitigated
 - 4.2. Energy
 - 4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.2. Unmitigated

4.3.1. Mitigated

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

4.4.1. Mitigated

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

4.5.1. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Paseo Marina - Existing Baseline
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	8.20
Location	13450 Maxella Ave, Marina Del Rey, CA 90292, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4428
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas

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
Strip Mall	101	1000sqft	2.31	100,780	10,000	0.00	—	—
Parking Lot	99.0	Space	0.89	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Waste	S-1/S-2	Implement Waste Reduction Plan

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	19.1	14.5	136	0.23	0.23	7.40	7.63	0.22	1.32	1.54	26,516
Mit.	19.1	14.5	136	0.23	0.23	7.40	7.63	0.22	1.32	1.54	26,364
% Reduced	—	—	—	—	—	—	—	—	—	—	1%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	17.8	15.7	120	0.22	0.23	7.40	7.62	0.21	1.32	1.53	25,282
Mit.	17.8	15.7	120	0.22	0.23	7.40	7.62	0.21	1.32	1.53	25,130
% Reduced	—	—	—	—	—	—	—	—	—	—	1%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	17.0	14.6	116	0.21	0.21	6.77	6.98	0.20	1.20	1.41	23,635
Mit.	17.0	14.6	116	0.21	0.21	6.77	6.98	0.20	1.20	1.41	23,483
% Reduced	—	—	—	—	—	—	—	—	—	—	1%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.10	2.67	21.2	0.04	0.04	1.24	1.27	0.04	0.22	0.26	3,913
Mit.	3.10	2.67	21.2	0.04	0.04	1.24	1.27	0.04	0.22	0.26	3,888

% Reduced	—	—	—	—	—	—	—	—	—	—	1%
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2.5. Operations Emissions by Sector, Unmitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.0	14.3	131	0.23	0.22	7.40	7.61	0.20	1.32	1.52	24,348
Area	3.14	0.04	4.36	< 0.005	0.01	—	0.01	0.01	—	0.01	18.5
Energy	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	1,814
Water	—	—	—	—	—	—	—	—	—	—	135
Waste	—	—	—	—	—	—	—	—	—	—	200
Refrig.	—	—	—	—	—	—	—	—	—	—	0.63
Total	19.1	14.5	136	0.23	0.23	7.40	7.63	0.22	1.32	1.54	26,516
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	15.4	15.6	120	0.22	0.22	7.40	7.61	0.20	1.32	1.52	23,133
Area	2.42	—	—	—	—	—	—	—	—	—	—
Energy	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	1,814
Water	—	—	—	—	—	—	—	—	—	—	135
Waste	—	—	—	—	—	—	—	—	—	—	200
Refrig.	—	—	—	—	—	—	—	—	—	—	0.63
Total	17.8	15.7	120	0.22	0.23	7.40	7.62	0.21	1.32	1.53	25,282
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	14.0	14.5	113	0.21	0.20	6.77	6.97	0.19	1.20	1.39	21,473
Area	2.91	0.03	2.99	< 0.005	< 0.005	—	< 0.005	0.01	—	0.01	12.7
Energy	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	1,814
Water	—	—	—	—	—	—	—	—	—	—	135

Waste	—	—	—	—	—	—	—	—	—	—	200
Refrig.	—	—	—	—	—	—	—	—	—	—	0.63
Total	17.0	14.6	116	0.21	0.21	6.77	6.98	0.20	1.20	1.41	23,635
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.56	2.64	20.6	0.04	0.04	1.24	1.27	0.03	0.22	0.25	3,555
Area	0.53	< 0.005	0.55	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	2.10
Energy	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	300
Water	—	—	—	—	—	—	—	—	—	—	22.4
Waste	—	—	—	—	—	—	—	—	—	—	33.0
Refrig.	—	—	—	—	—	—	—	—	—	—	0.10
Total	3.10	2.67	21.2	0.04	0.04	1.24	1.27	0.04	0.22	0.26	3,913

2.6. Operations Emissions by Sector, Mitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.0	14.3	131	0.23	0.22	7.40	7.61	0.20	1.32	1.52	24,348
Area	3.14	0.04	4.36	< 0.005	0.01	—	0.01	0.01	—	0.01	18.5
Energy	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	1,814
Water	—	—	—	—	—	—	—	—	—	—	135
Waste	—	—	—	—	—	—	—	—	—	—	47.1
Refrig.	—	—	—	—	—	—	—	—	—	—	0.63
Total	19.1	14.5	136	0.23	0.23	7.40	7.63	0.22	1.32	1.54	26,364
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	15.4	15.6	120	0.22	0.22	7.40	7.61	0.20	1.32	1.52	23,133
Area	2.42	—	—	—	—	—	—	—	—	—	—

Energy	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	1,814
Water	—	—	—	—	—	—	—	—	—	—	135
Waste	—	—	—	—	—	—	—	—	—	—	47.1
Refrig.	—	—	—	—	—	—	—	—	—	—	0.63
Total	17.8	15.7	120	0.22	0.23	7.40	7.62	0.21	1.32	1.53	25,130
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	14.0	14.5	113	0.21	0.20	6.77	6.97	0.19	1.20	1.39	21,473
Area	2.91	0.03	2.99	< 0.005	< 0.005	—	< 0.005	0.01	—	0.01	12.7
Energy	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	1,814
Water	—	—	—	—	—	—	—	—	—	—	135
Waste	—	—	—	—	—	—	—	—	—	—	47.1
Refrig.	—	—	—	—	—	—	—	—	—	—	0.63
Total	17.0	14.6	116	0.21	0.21	6.77	6.98	0.20	1.20	1.41	23,483
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.56	2.64	20.6	0.04	0.04	1.24	1.27	0.03	0.22	0.25	3,555
Area	0.53	< 0.005	0.55	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	2.10
Energy	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	300
Water	—	—	—	—	—	—	—	—	—	—	22.4
Waste	—	—	—	—	—	—	—	—	—	—	7.80
Refrig.	—	—	—	—	—	—	—	—	—	—	0.10
Total	3.10	2.67	21.2	0.04	0.04	1.24	1.27	0.04	0.22	0.26	3,888

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	1,601
Parking Lot	—	—	—	—	—	—	—	—	—	—	54.2
Total	—	—	—	—	—	—	—	—	—	—	1,655
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	1,601
Parking Lot	—	—	—	—	—	—	—	—	—	—	54.2
Total	—	—	—	—	—	—	—	—	—	—	1,655
Annual	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	265
Parking Lot	—	—	—	—	—	—	—	—	—	—	8.98
Total	—	—	—	—	—	—	—	—	—	—	274

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	1,601

Parking Lot	—	—	—	—	—	—	—	—	—	—	54.2
Total	—	—	—	—	—	—	—	—	—	—	1,655
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	1,601
Parking Lot	—	—	—	—	—	—	—	—	—	—	54.2
Total	—	—	—	—	—	—	—	—	—	—	1,655
Annual	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	265
Parking Lot	—	—	—	—	—	—	—	—	—	—	8.98
Total	—	—	—	—	—	—	—	—	—	—	274

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	159
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	159
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	159
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	159
Annual	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	26.4
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00

Total	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	26.4
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4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	159
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	159
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	159
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	159
Annual	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	26.4
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	26.4

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	2.16	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	0.26	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.72	0.04	4.36	< 0.005	0.01	—	0.01	0.01	—	0.01	18.5
Total	3.14	0.04	4.36	< 0.005	0.01	—	0.01	0.01	—	0.01	18.5
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	2.16	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.26	—	—	—	—	—	—	—	—	—	—
Total	2.42	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.39	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.05	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.09	< 0.005	0.55	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	2.10
Total	0.53	< 0.005	0.55	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	2.10

4.3.1. Mitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	2.16	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.26	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.72	0.04	4.36	< 0.005	0.01	—	0.01	0.01	—	0.01	18.5

Total	3.14	0.04	4.36	< 0.005	0.01	—	0.01	0.01	—	0.01	18.5
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	2.16	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.26	—	—	—	—	—	—	—	—	—	—
Total	2.42	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.39	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.05	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.09	< 0.005	0.55	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	2.10
Total	0.53	< 0.005	0.55	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	2.10

4.4. Water Emissions by Land Use

4.4.2. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	135
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	135
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	135

Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	135
Annual	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	22.4
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	22.4

4.4.1. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	135
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	135
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	135
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	135
Annual	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	22.4
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	22.4

4.5. Waste Emissions by Land Use

4.5.2. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	200
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	200
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	200
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	200
Annual	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	33.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	33.0

4.5.1. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	47.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	47.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	47.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	47.1
Annual	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	7.80
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	7.80

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.63
Total	—	—	—	—	—	—	—	—	—	—	0.63
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.63
Total	—	—	—	—	—	—	—	—	—	—	0.63
Annual	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.10
Total	—	—	—	—	—	—	—	—	—	—	0.10

4.6.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Strip Mall	—	—	—	—	—	—	—	—	—	—	0.63
Total	—	—	—	—	—	—	—	—	—	—	0.63
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.63
Total	—	—	—	—	—	—	—	—	—	—	0.63
Annual	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.10
Total	—	—	—	—	—	—	—	—	—	—	0.10

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
----------------	-----	-----	----	-----	-------	-------	-------	--------	--------	--------	------

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

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

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	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	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	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	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	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	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

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	3,595	3,410	1,657	1,201,475	26,603	25,234	12,262	8,890,920

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	3,595	3,410	1,657	1,201,475	26,603	25,234	12,262	8,890,920

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	151,170	50,390	2,329

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Strip Mall	1,003,420	579	0.0489	0.0069	496,255
Parking Lot	33,999	579	0.0489	0.0069	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Strip Mall	1,003,420	579	0.0489	0.0069	496,255
Parking Lot	33,999	579	0.0489	0.0069	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
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Strip Mall	7,465,029	143,544
Parking Lot	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Strip Mall	7,465,029	143,544
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Strip Mall	106	0.00
Parking Lot	0.00	0.00

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Strip Mall	25.0	0.00
Parking Lot	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
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5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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5.17. User Defined

Equipment Type	Fuel Type
—	—

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	8.06	annual days of extreme heat
Extreme Precipitation	4.50	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	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 ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. 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 (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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 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	40.0
AQ-PM	64.7
AQ-DPM	79.1
Drinking Water	71.7
Lead Risk Housing	21.1
Pesticides	0.00
Toxic Releases	80.8
Traffic	77.7
Effect Indicators	—
CleanUp Sites	74.4
Groundwater	86.2
Haz Waste Facilities/Generators	56.4
Impaired Water Bodies	99.6
Solid Waste	55.5
Sensitive Population	—
Asthma	13.1
Cardio-vascular	14.8

Low Birth Weights	54.8
Socioeconomic Factor Indicators	—
Education	18.8
Housing	78.1
Linguistic	41.4
Poverty	38.1
Unemployment	9.72

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	66.23893238
Employed	55.84498909
Median HI	76.76119595
Education	—
Bachelor's or higher	91.36404466
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	86.34672142
Active commuting	50.8020018
Social	—
2-parent households	9.80366996
Voting	64.49377647
Neighborhood	—
Alcohol availability	47.37585012

Park access	81.35506224
Retail density	58.1675863
Supermarket access	76.08109842
Tree canopy	50.8020018
Housing	—
Homeownership	50.58385731
Housing habitability	74.43859874
Low-inc homeowner severe housing cost burden	32.50352881
Low-inc renter severe housing cost burden	79.13512126
Uncrowded housing	92.9038881
Health Outcomes	—
Insured adults	81.30373412
Arthritis	17.5
Asthma ER Admissions	89.1
High Blood Pressure	15.4
Cancer (excluding skin)	6.6
Asthma	80.2
Coronary Heart Disease	17.4
Chronic Obstructive Pulmonary Disease	56.7
Diagnosed Diabetes	57.0
Life Expectancy at Birth	81.4
Cognitively Disabled	26.7
Physically Disabled	45.1
Heart Attack ER Admissions	91.5
Mental Health Not Good	87.0
Chronic Kidney Disease	45.1
Obesity	75.0

Pedestrian Injuries	48.4
Physical Health Not Good	70.2
Stroke	34.3
Health Risk Behaviors	—
Binge Drinking	71.2
Current Smoker	89.0
No Leisure Time for Physical Activity	82.1
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	61.9
Children	73.7
Elderly	6.3
English Speaking	52.1
Foreign-born	56.5
Outdoor Workers	98.2
Climate Change Adaptive Capacity	—
Impervious Surface Cover	12.3
Traffic Density	74.6
Traffic Access	64.6
Other Indices	—
Hardship	20.2
Other Decision Support	—
2016 Voting	64.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	49.0

Healthy Places Index Score for Project Location (b)	78.0
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
Characteristics: Project Details	South Coast Air Basin
Characteristics: Utility Information	Power Content Label 2020

Paseo Marina - Existing Buildout (2026) Detailed Report

Table of Contents

- 1. Basic Project Information
 - 1.1. Basic Project Information
 - 1.2. Land Use Types
 - 1.3. User-Selected Emission Reduction Measures by Emissions Sector
- 2. Emissions Summary
 - 2.4. Operations Emissions Compared Against Thresholds
 - 2.5. Operations Emissions by Sector, Unmitigated
 - 2.6. Operations Emissions by Sector, Mitigated
- 4. Operations Emissions Details
 - 4.1. Mobile Emissions by Land Use
 - 4.1.1. Unmitigated
 - 4.1.2. Mitigated
 - 4.2. Energy
 - 4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.2. Unmitigated

4.3.1. Mitigated

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

4.4.1. Mitigated

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

4.5.1. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Paseo Marina - Existing Buildout (2026)
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	8.20
Location	13450 Maxella Ave, Marina Del Rey, CA 90292, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4428
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas

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
Strip Mall	101	1000sqft	2.31	100,780	10,000	0.00	—	—
Parking Lot	99.0	Space	0.89	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Waste	S-1/S-2	Implement Waste Reduction Plan

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.8	8.28	92.8	0.21	0.15	7.40	7.55	0.14	1.32	1.46	23,314
Mit.	14.8	8.28	92.8	0.21	0.15	7.40	7.55	0.14	1.32	1.46	23,162
% Reduced	—	—	—	—	—	—	—	—	—	—	1%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.8	8.95	81.2	0.20	0.15	7.40	7.54	0.14	1.32	1.45	22,293
Mit.	13.8	8.95	81.2	0.20	0.15	7.40	7.54	0.14	1.32	1.45	22,140
% Reduced	—	—	—	—	—	—	—	—	—	—	1%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.2	8.31	79.2	0.18	0.14	6.78	6.91	0.13	1.21	1.34	20,809
Mit.	13.2	8.31	79.2	0.18	0.14	6.78	6.91	0.13	1.21	1.34	20,656
% Reduced	—	—	—	—	—	—	—	—	—	—	1%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.42	1.52	14.5	0.03	0.03	1.24	1.26	0.02	0.22	0.24	3,445
Mit.	2.42	1.52	14.5	0.03	0.03	1.24	1.26	0.02	0.22	0.24	3,420

% Reduced	—	—	—	—	—	—	—	—	—	—	1%
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2.5. Operations Emissions by Sector, Unmitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.6	8.11	88.3	0.21	0.13	7.40	7.53	0.13	1.32	1.44	21,513
Area	3.14	0.04	4.36	< 0.005	0.01	—	0.01	0.01	—	0.01	19.5
Energy	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	1,462
Water	—	—	—	—	—	—	—	—	—	—	119
Waste	—	—	—	—	—	—	—	—	—	—	200
Refrig.	—	—	—	—	—	—	—	—	—	—	0.63
Total	14.8	8.28	92.8	0.21	0.15	7.40	7.55	0.14	1.32	1.46	23,314
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.4	8.82	81.1	0.20	0.13	7.40	7.53	0.13	1.32	1.44	20,511
Area	2.42	—	—	—	—	—	—	—	—	—	—
Energy	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	1,462
Water	—	—	—	—	—	—	—	—	—	—	119
Waste	—	—	—	—	—	—	—	—	—	—	200
Refrig.	—	—	—	—	—	—	—	—	—	—	0.63
Total	13.8	8.95	81.2	0.20	0.15	7.40	7.54	0.14	1.32	1.45	22,293
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	10.3	8.16	76.1	0.18	0.12	6.78	6.90	0.12	1.21	1.32	19,014
Area	2.91	0.03	2.99	< 0.005	< 0.005	—	< 0.005	0.01	—	0.01	13.3
Energy	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	1,462
Water	—	—	—	—	—	—	—	—	—	—	119

Waste	—	—	—	—	—	—	—	—	—	—	200
Refrig.	—	—	—	—	—	—	—	—	—	—	0.63
Total	13.2	8.31	79.2	0.18	0.14	6.78	6.91	0.13	1.21	1.34	20,809
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.88	1.49	13.9	0.03	0.02	1.24	1.26	0.02	0.22	0.24	3,148
Area	0.53	< 0.005	0.55	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	2.21
Energy	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	242
Water	—	—	—	—	—	—	—	—	—	—	19.8
Waste	—	—	—	—	—	—	—	—	—	—	33.0
Refrig.	—	—	—	—	—	—	—	—	—	—	0.10
Total	2.42	1.52	14.5	0.03	0.03	1.24	1.26	0.02	0.22	0.24	3,445

2.6. Operations Emissions by Sector, Mitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.6	8.11	88.3	0.21	0.13	7.40	7.53	0.13	1.32	1.44	21,513
Area	3.14	0.04	4.36	< 0.005	0.01	—	0.01	0.01	—	0.01	19.5
Energy	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	1,462
Water	—	—	—	—	—	—	—	—	—	—	119
Waste	—	—	—	—	—	—	—	—	—	—	47.1
Refrig.	—	—	—	—	—	—	—	—	—	—	0.63
Total	14.8	8.28	92.8	0.21	0.15	7.40	7.55	0.14	1.32	1.46	23,162
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.4	8.82	81.1	0.20	0.13	7.40	7.53	0.13	1.32	1.44	20,511
Area	2.42	—	—	—	—	—	—	—	—	—	—

Energy	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	1,462
Water	—	—	—	—	—	—	—	—	—	—	119
Waste	—	—	—	—	—	—	—	—	—	—	47.1
Refrig.	—	—	—	—	—	—	—	—	—	—	0.63
Total	13.8	8.95	81.2	0.20	0.15	7.40	7.54	0.14	1.32	1.45	22,140
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	10.3	8.16	76.1	0.18	0.12	6.78	6.90	0.12	1.21	1.32	19,014
Area	2.91	0.03	2.99	< 0.005	< 0.005	—	< 0.005	0.01	—	0.01	13.3
Energy	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	1,462
Water	—	—	—	—	—	—	—	—	—	—	119
Waste	—	—	—	—	—	—	—	—	—	—	47.1
Refrig.	—	—	—	—	—	—	—	—	—	—	0.63
Total	13.2	8.31	79.2	0.18	0.14	6.78	6.91	0.13	1.21	1.34	20,656
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.88	1.49	13.9	0.03	0.02	1.24	1.26	0.02	0.22	0.24	3,148
Area	0.53	< 0.005	0.55	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	2.21
Energy	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	242
Water	—	—	—	—	—	—	—	—	—	—	19.8
Waste	—	—	—	—	—	—	—	—	—	—	7.80
Refrig.	—	—	—	—	—	—	—	—	—	—	0.10
Total	2.42	1.52	14.5	0.03	0.03	1.24	1.26	0.02	0.22	0.24	3,420

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	1,260
Parking Lot	—	—	—	—	—	—	—	—	—	—	42.7
Total	—	—	—	—	—	—	—	—	—	—	1,303
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	1,260
Parking Lot	—	—	—	—	—	—	—	—	—	—	42.7
Total	—	—	—	—	—	—	—	—	—	—	1,303
Annual	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	209
Parking Lot	—	—	—	—	—	—	—	—	—	—	7.07
Total	—	—	—	—	—	—	—	—	—	—	216

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	1,260

Parking Lot	—	—	—	—	—	—	—	—	—	—	42.7
Total	—	—	—	—	—	—	—	—	—	—	1,303
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	1,260
Parking Lot	—	—	—	—	—	—	—	—	—	—	42.7
Total	—	—	—	—	—	—	—	—	—	—	1,303
Annual	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	209
Parking Lot	—	—	—	—	—	—	—	—	—	—	7.07
Total	—	—	—	—	—	—	—	—	—	—	216

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	159
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	159
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	159
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	159
Annual	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	26.4
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00

Total	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	26.4
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4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	159
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	159
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	159
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	159
Annual	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	26.4
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	26.4

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	2.16	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	0.26	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.72	0.04	4.36	< 0.005	0.01	—	0.01	0.01	—	0.01	19.5
Total	3.14	0.04	4.36	< 0.005	0.01	—	0.01	0.01	—	0.01	19.5
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	2.16	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.26	—	—	—	—	—	—	—	—	—	—
Total	2.42	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.39	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.05	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.09	< 0.005	0.55	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	2.21
Total	0.53	< 0.005	0.55	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	2.21

4.3.1. Mitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	2.16	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.26	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.72	0.04	4.36	< 0.005	0.01	—	0.01	0.01	—	0.01	19.5

Total	3.14	0.04	4.36	< 0.005	0.01	—	0.01	0.01	—	0.01	19.5
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	2.16	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.26	—	—	—	—	—	—	—	—	—	—
Total	2.42	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.39	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.05	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.09	< 0.005	0.55	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	2.21
Total	0.53	< 0.005	0.55	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	2.21

4.4. Water Emissions by Land Use

4.4.2. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	119
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	119
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	119

Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	119
Annual	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	19.8
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	19.8

4.4.1. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	119
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	119
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	119
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	119
Annual	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	19.8
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	19.8

4.5. Waste Emissions by Land Use

4.5.2. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	200
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	200
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	200
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	200
Annual	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	33.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	33.0

4.5.1. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	47.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	47.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	47.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	47.1
Annual	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	7.80
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	7.80

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.63
Total	—	—	—	—	—	—	—	—	—	—	0.63
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.63
Total	—	—	—	—	—	—	—	—	—	—	0.63
Annual	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.10
Total	—	—	—	—	—	—	—	—	—	—	0.10

4.6.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Strip Mall	—	—	—	—	—	—	—	—	—	—	0.63
Total	—	—	—	—	—	—	—	—	—	—	0.63
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.63
Total	—	—	—	—	—	—	—	—	—	—	0.63
Annual	—	—	—	—	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.10
Total	—	—	—	—	—	—	—	—	—	—	0.10

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
----------------	-----	-----	----	-----	-------	-------	-------	--------	--------	--------	------

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

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

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	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	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	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	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	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	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	—	—	—	—	—	—	—	—	—	—	—

—	—	—	—	—	—	—	—	—	—	—	—
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5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	3,595	3,410	1,657	1,201,475	26,603	25,234	12,262	8,890,920

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	3,595	3,410	1,657	1,201,475	26,603	25,234	12,262	8,890,920

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	151,170	50,390	2,329

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Strip Mall	1,003,420	455	0.0489	0.0069	496,255
Parking Lot	33,999	455	0.0489	0.0069	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Strip Mall	1,003,420	455	0.0489	0.0069	496,255
Parking Lot	33,999	455	0.0489	0.0069	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
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Strip Mall	7,465,029	143,544
Parking Lot	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Strip Mall	7,465,029	143,544
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Strip Mall	106	0.00
Parking Lot	0.00	0.00

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Strip Mall	25.0	0.00
Parking Lot	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
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5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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5.17. User Defined

Equipment Type	Fuel Type
—	—

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	8.06	annual days of extreme heat
Extreme Precipitation	4.50	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	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 ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. 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 (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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 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	40.0
AQ-PM	64.7
AQ-DPM	79.1
Drinking Water	71.7
Lead Risk Housing	21.1
Pesticides	0.00
Toxic Releases	80.8
Traffic	77.7
Effect Indicators	—
CleanUp Sites	74.4
Groundwater	86.2
Haz Waste Facilities/Generators	56.4
Impaired Water Bodies	99.6
Solid Waste	55.5
Sensitive Population	—
Asthma	13.1
Cardio-vascular	14.8

Low Birth Weights	54.8
Socioeconomic Factor Indicators	—
Education	18.8
Housing	78.1
Linguistic	41.4
Poverty	38.1
Unemployment	9.72

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	66.23893238
Employed	55.84498909
Median HI	76.76119595
Education	—
Bachelor's or higher	91.36404466
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	86.34672142
Active commuting	50.8020018
Social	—
2-parent households	9.80366996
Voting	64.49377647
Neighborhood	—
Alcohol availability	47.37585012

Park access	81.35506224
Retail density	58.1675863
Supermarket access	76.08109842
Tree canopy	50.8020018
Housing	—
Homeownership	50.58385731
Housing habitability	74.43859874
Low-inc homeowner severe housing cost burden	32.50352881
Low-inc renter severe housing cost burden	79.13512126
Uncrowded housing	92.9038881
Health Outcomes	—
Insured adults	81.30373412
Arthritis	17.5
Asthma ER Admissions	89.1
High Blood Pressure	15.4
Cancer (excluding skin)	6.6
Asthma	80.2
Coronary Heart Disease	17.4
Chronic Obstructive Pulmonary Disease	56.7
Diagnosed Diabetes	57.0
Life Expectancy at Birth	81.4
Cognitively Disabled	26.7
Physically Disabled	45.1
Heart Attack ER Admissions	91.5
Mental Health Not Good	87.0
Chronic Kidney Disease	45.1
Obesity	75.0

Pedestrian Injuries	48.4
Physical Health Not Good	70.2
Stroke	34.3
Health Risk Behaviors	—
Binge Drinking	71.2
Current Smoker	89.0
No Leisure Time for Physical Activity	82.1
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	61.9
Children	73.7
Elderly	6.3
English Speaking	52.1
Foreign-born	56.5
Outdoor Workers	98.2
Climate Change Adaptive Capacity	—
Impervious Surface Cover	12.3
Traffic Density	74.6
Traffic Access	64.6
Other Indices	—
Hardship	20.2
Other Decision Support	—
2016 Voting	64.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	49.0

Healthy Places Index Score for Project Location (b)	78.0
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
Characteristics: Utility Information	SB 100
Characteristics: Project Details	South Coast Air Basin

Paseo Marina - Project Option A (Year 2026) Detailed Report

Table of Contents

1. Basic Project Information
 - 1.1. Basic Project Information
 - 1.2. Land Use Types
 - 1.3. User-Selected Emission Reduction Measures by Emissions Sector
2. Emissions Summary
 - 2.1. Construction Emissions Compared Against Thresholds
 - 2.2. Construction Emissions by Year, Unmitigated
 - 2.3. Construction Emissions by Year, Mitigated
 - 2.4. Operations Emissions Compared Against Thresholds
 - 2.5. Operations Emissions by Sector, Unmitigated
 - 2.6. Operations Emissions by Sector, Mitigated
3. Construction Emissions Details
 - 3.1. Demolition (2023) - Unmitigated
 - 3.2. Demolition (2023) - Mitigated

3.3. Grading (2023) - Unmitigated

3.4. Grading (2023) - Mitigated

3.5. Grading (2024) - Unmitigated

3.6. Grading (2024) - Mitigated

3.7. Building Construction (2023) - Unmitigated

3.8. Building Construction (2023) - Mitigated

3.9. Building Construction (2024) - Unmitigated

3.10. Building Construction (2024) - Mitigated

3.11. Building Construction (2023) - Unmitigated

3.12. Building Construction (2023) - Mitigated

3.13. Building Construction (2024) - Unmitigated

3.14. Building Construction (2024) - Mitigated

3.15. Building Construction (2024) - Unmitigated

3.16. Building Construction (2024) - Mitigated

3.17. Building Construction (2024) - Unmitigated

3.18. Building Construction (2024) - Mitigated

3.19. Building Construction (2025) - Unmitigated

- 3.20. Building Construction (2025) - Mitigated
- 3.21. Building Construction (2024) - Unmitigated
- 3.22. Building Construction (2024) - Mitigated
- 3.23. Building Construction (2025) - Unmitigated
- 3.24. Building Construction (2025) - Mitigated
- 3.25. Building Construction (2026) - Unmitigated
- 3.26. Building Construction (2026) - Mitigated
- 3.27. Building Construction (2025) - Unmitigated
- 3.28. Building Construction (2025) - Mitigated
- 3.29. Building Construction (2026) - Unmitigated
- 3.30. Building Construction (2026) - Mitigated
- 3.31. Paving (2025) - Unmitigated
- 3.32. Paving (2025) - Mitigated
- 3.33. Paving (2026) - Unmitigated
- 3.34. Paving (2026) - Mitigated
- 3.35. Architectural Coating (2025) - Unmitigated
- 3.36. Architectural Coating (2025) - Mitigated

3.37. Architectural Coating (2026) - Unmitigated

3.38. Architectural Coating (2026) - Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.2. Unmitigated

4.3.1. Mitigated

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

4.4.1. Mitigated

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

4.5.1. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Paseo Marina - Project Option A (Year 2026)
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	8.20
Location	13450 Maxella Ave, Marina Del Rey, CA 90292, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4428
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas

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
Enclosed Parking with Elevator	1,217	Space	0.00	486,800	0.00	0.00	—	—
High Turnover (Sit Down Restaurant)	13.7	1000sqft	0.00	13,650	0.00	0.00	—	—

Apartments Mid Rise	658	Dwelling Unit	6.06	647,029	70,175	0.00	1,481	—
Strip Mall	13.7	1000sqft	0.00	13,650	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Water	W-7	Adopt a Water Conservation Strategy
Waste	S-1/S-2	Implement Waste Reduction Plan

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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	23.4	127	152	0.39	3.88	20.7	24.6	3.60	4.27	7.86	55,399
Mit.	20.4	96.8	191	0.44	1.35	20.7	22.1	1.30	4.27	5.57	60,903
% Reduced	13%	24%	-26%	-14%	65%	—	10%	64%	—	29%	-10%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	26.4	107	116	0.31	3.43	15.6	19.0	3.18	3.14	6.31	43,968
Mit.	21.6	80.6	148	0.35	1.18	15.6	16.8	1.14	3.14	4.27	47,727
% Reduced	18%	25%	-28%	-12%	65%	—	12%	64%	—	32%	-9%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	10.8	67.6	82.9	0.19	2.08	10.7	12.8	1.93	2.22	4.15	27,621
Mit.	8.64	50.9	106	0.23	0.63	10.7	11.3	0.61	2.22	2.83	30,962

% Reduced	20%	25%	-28%	-18%	70%	—	11%	68%	—	32%	-12%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.97	12.3	15.1	0.03	0.38	1.95	2.33	0.35	0.41	0.76	4,573
Mit.	1.58	9.28	19.4	0.04	0.12	1.95	2.06	0.11	0.41	0.52	5,126
% Reduced	20%	25%	-28%	-18%	70%	—	11%	68%	—	32%	-12%

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	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
2023	6.80	79.1	80.8	0.26	2.55	15.6	18.2	2.37	3.01	5.39	38,602
2024	12.7	127	152	0.39	3.88	20.7	24.6	3.60	4.27	7.86	55,399
2025	23.4	54.0	86.5	0.15	1.61	11.0	12.6	1.43	2.32	3.75	24,189
2026	22.6	50.4	76.4	0.14	1.60	7.42	9.02	1.43	1.56	2.99	19,490
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2023	9.82	107	110	0.31	3.43	15.6	19.0	3.18	3.14	6.31	43,968
2024	10.1	102	114	0.31	3.09	15.5	18.6	2.87	3.14	6.01	43,482
2025	26.4	80.4	116	0.21	2.58	12.7	15.3	2.31	2.69	5.00	31,163
2026	25.7	76.6	113	0.21	2.31	12.7	15.0	2.06	2.69	4.76	30,826
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2023	3.68	43.4	43.5	0.13	1.38	7.22	8.60	1.28	1.42	2.70	19,128
2024	7.16	67.6	82.9	0.19	2.08	10.7	12.8	1.93	2.22	4.15	27,621
2025	10.8	38.9	58.8	0.11	1.16	7.43	8.59	1.03	1.59	2.62	16,701
2026	8.15	19.5	28.6	0.05	0.61	2.92	3.52	0.54	0.61	1.16	7,504
Annual	—	—	—	—	—	—	—	—	—	—	—
2023	0.67	7.91	7.95	0.02	0.25	1.32	1.57	0.23	0.26	0.49	3,167

2024	1.31	12.3	15.1	0.03	0.38	1.95	2.33	0.35	0.41	0.76	4,573
2025	1.97	7.10	10.7	0.02	0.21	1.36	1.57	0.19	0.29	0.48	2,765
2026	1.49	3.57	5.23	0.01	0.11	0.53	0.64	0.10	0.11	0.21	1,242

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	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
2023	3.26	58.1	97.0	0.28	0.79	15.6	16.4	0.76	3.01	3.76	39,952
2024	6.95	96.8	191	0.44	1.35	20.7	22.1	1.30	4.27	5.57	60,903
2025	20.4	40.1	110	0.19	0.39	11.0	11.4	0.32	2.32	2.64	27,678
2026	19.6	34.1	96.1	0.16	0.39	7.42	7.82	0.34	1.56	1.90	21,992
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2023	5.10	80.6	137	0.35	1.18	15.6	16.8	1.14	3.14	4.27	47,727
2024	5.33	78.7	148	0.35	1.16	15.5	16.7	1.12	3.14	4.25	47,242
2025	21.6	55.1	147	0.26	0.59	12.7	13.3	0.50	2.69	3.19	35,411
2026	21.3	54.3	145	0.26	0.59	12.7	13.3	0.50	2.69	3.19	35,074
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2023	1.74	32.2	52.7	0.15	0.43	7.22	7.66	0.42	1.42	1.84	20,251
2024	3.85	50.9	106	0.23	0.63	10.7	11.3	0.61	2.22	2.83	30,962
2025	8.64	28.7	75.6	0.13	0.28	7.43	7.71	0.23	1.59	1.82	19,137
2026	6.99	13.4	36.3	0.06	0.15	2.92	3.07	0.13	0.61	0.74	8,490
Annual	—	—	—	—	—	—	—	—	—	—	—
2023	0.32	5.87	9.62	0.03	0.08	1.32	1.40	0.08	0.26	0.34	3,353
2024	0.70	9.28	19.4	0.04	0.12	1.95	2.06	0.11	0.41	0.52	5,126
2025	1.58	5.23	13.8	0.02	0.05	1.36	1.41	0.04	0.29	0.33	3,168

2026	1.28	2.45	6.63	0.01	0.03	0.53	0.56	0.02	0.11	0.14	1,406
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2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	40.9	13.3	194	0.31	0.29	10.8	11.0	0.29	1.92	2.20	42,848
Mit.	40.9	13.3	194	0.31	0.29	10.8	11.0	0.29	1.92	2.20	41,960
% Reduced	—	—	—	—	—	—	—	—	—	—	2%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	33.7	13.9	126	0.30	0.24	10.8	11.0	0.23	1.92	2.14	41,309
Mit.	33.7	13.9	126	0.30	0.24	10.8	11.0	0.23	1.92	2.14	40,421
% Reduced	—	—	—	—	—	—	—	—	—	—	2%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	39.0	14.4	167	0.30	0.28	10.3	10.6	0.27	1.83	2.11	41,171
Mit.	39.0	14.4	167	0.30	0.28	10.3	10.6	0.27	1.83	2.11	40,282
% Reduced	—	—	—	—	—	—	—	—	—	—	2%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.11	2.63	30.5	0.05	0.05	1.88	1.93	0.05	0.33	0.38	6,816
Mit.	7.11	2.63	30.5	0.05	0.05	1.88	1.93	0.05	0.33	0.38	6,669
% Reduced	—	—	—	—	—	—	—	—	—	—	2%

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.4	11.4	129	0.30	0.19	10.8	10.9	0.18	1.92	2.09	31,028
Area	22.6	0.75	59.8	< 0.005	0.05	—	0.05	0.07	—	0.07	388
Energy	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	8,869
Water	—	—	—	—	—	—	—	—	—	—	506
Waste	—	—	—	—	—	—	—	—	—	—	1,031
Refrig.	—	—	—	—	—	—	—	—	—	—	26.1
Stationary	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	40.9	13.3	194	0.31	0.29	10.8	11.0	0.29	1.92	2.20	42,848
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.1	12.4	120	0.29	0.19	10.8	10.9	0.18	1.92	2.09	29,681
Area	15.6	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Energy	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	8,869
Water	—	—	—	—	—	—	—	—	—	—	506
Waste	—	—	—	—	—	—	—	—	—	—	1,031
Refrig.	—	—	—	—	—	—	—	—	—	—	26.1
Stationary	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	33.7	13.9	126	0.30	0.24	10.8	11.0	0.23	1.92	2.14	41,309
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	15.3	12.0	118	0.28	0.18	10.3	10.5	0.17	1.83	2.00	28,750
Area	20.4	0.58	41.0	< 0.005	0.04	—	0.04	0.05	—	0.05	328
Energy	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	8,869
Water	—	—	—	—	—	—	—	—	—	—	506
Waste	—	—	—	—	—	—	—	—	—	—	1,031
Refrig.	—	—	—	—	—	—	—	—	—	—	26.1
Stationary	3.24	1.59	8.25	0.02	0.03	—	0.03	0.03	—	0.03	1,662

Total	39.0	14.4	167	0.30	0.28	10.3	10.6	0.27	1.83	2.11	41,171
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.80	2.19	21.5	0.05	0.03	1.88	1.91	0.03	0.33	0.37	4,760
Area	3.72	0.11	7.48	< 0.005	0.01	—	0.01	0.01	—	0.01	54.3
Energy	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	1,468
Water	—	—	—	—	—	—	—	—	—	—	83.7
Waste	—	—	—	—	—	—	—	—	—	—	171
Refrig.	—	—	—	—	—	—	—	—	—	—	4.31
Stationary	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275
Total	7.11	2.63	30.5	0.05	0.05	1.88	1.93	0.05	0.33	0.38	6,816

2.6. Operations Emissions by Sector, Mitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.4	11.4	129	0.30	0.19	10.8	10.9	0.18	1.92	2.09	31,028
Area	22.6	0.75	59.8	< 0.005	0.05	—	0.05	0.07	—	0.07	388
Energy	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	8,869
Water	—	—	—	—	—	—	—	—	—	—	405
Waste	—	—	—	—	—	—	—	—	—	—	243
Refrig.	—	—	—	—	—	—	—	—	—	—	26.1
Stationary	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	40.9	13.3	194	0.31	0.29	10.8	11.0	0.29	1.92	2.20	41,960
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.1	12.4	120	0.29	0.19	10.8	10.9	0.18	1.92	2.09	29,681
Area	15.6	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196

Energy	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	8,869
Water	—	—	—	—	—	—	—	—	—	—	405
Waste	—	—	—	—	—	—	—	—	—	—	243
Refrig.	—	—	—	—	—	—	—	—	—	—	26.1
Stationary	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	33.7	13.9	126	0.30	0.24	10.8	11.0	0.23	1.92	2.14	40,421
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	15.3	12.0	118	0.28	0.18	10.3	10.5	0.17	1.83	2.00	28,750
Area	20.4	0.58	41.0	< 0.005	0.04	—	0.04	0.05	—	0.05	328
Energy	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	8,869
Water	—	—	—	—	—	—	—	—	—	—	405
Waste	—	—	—	—	—	—	—	—	—	—	243
Refrig.	—	—	—	—	—	—	—	—	—	—	26.1
Stationary	3.24	1.59	8.25	0.02	0.03	—	0.03	0.03	—	0.03	1,662
Total	39.0	14.4	167	0.30	0.28	10.3	10.6	0.27	1.83	2.11	40,282
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.80	2.19	21.5	0.05	0.03	1.88	1.91	0.03	0.33	0.37	4,760
Area	3.72	0.11	7.48	< 0.005	0.01	—	0.01	0.01	—	0.01	54.3
Energy	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	1,468
Water	—	—	—	—	—	—	—	—	—	—	67.0
Waste	—	—	—	—	—	—	—	—	—	—	40.3
Refrig.	—	—	—	—	—	—	—	—	—	—	4.31
Stationary	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275
Total	7.11	2.63	30.5	0.05	0.05	1.88	1.93	0.05	0.33	0.38	6,669

3. Construction Emissions Details

3.1. Demolition (2023) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.46	20.6	27.2	0.04	1.04	—	1.04	0.96	—	0.96	4,104
Demolition	—	—	—	—	—	1.83	1.83	—	0.28	0.28	—
Onsite truck	0.05	0.99	0.73	< 0.005	< 0.005	1.89	1.89	< 0.005	0.19	0.19	144
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.46	20.6	27.2	0.04	1.04	—	1.04	0.96	—	0.96	4,104
Demolition	—	—	—	—	—	1.83	1.83	—	0.28	0.28	—
Onsite truck	0.04	1.03	0.75	< 0.005	< 0.005	1.89	1.89	< 0.005	0.19	0.19	146
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.57	4.79	6.33	0.01	0.24	—	0.24	0.22	—	0.22	956
Demolition	—	—	—	—	—	0.43	0.43	—	0.06	0.06	—
Onsite truck	0.01	0.23	0.17	< 0.005	< 0.005	0.44	0.44	< 0.005	0.04	0.04	33.7
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.87	1.16	< 0.005	0.04	—	0.04	0.04	—	0.04	158
Demolition	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	5.58
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Worker	0.19	0.21	3.27	0.00	0.00	0.52	0.52	0.00	0.12	0.12	586
Vendor	0.01	0.32	0.16	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	273
Hauling	0.15	10.3	3.58	0.05	0.11	2.30	2.41	0.11	0.62	0.72	9,010
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.24	2.78	0.00	0.00	0.52	0.52	0.00	0.12	0.12	554
Vendor	0.01	0.33	0.16	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	273
Hauling	0.14	10.7	3.60	0.05	0.11	2.30	2.41	0.11	0.62	0.72	8,992
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.06	0.68	0.00	0.00	0.12	0.12	0.00	0.03	0.03	131
Vendor	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	63.6
Hauling	0.03	2.53	0.83	0.01	0.02	0.53	0.56	0.02	0.14	0.17	2,096
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.00	0.02	0.02	0.00	0.01	0.01	21.7
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	10.5
Hauling	0.01	0.46	0.15	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	347

3.2. Demolition (2023) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	11.3	34.2	0.05	0.12	—	0.12	0.11	—	0.11	4,879
Demolition	—	—	—	—	—	1.83	1.83	—	0.28	0.28	—
Onsite truck	0.05	0.99	0.73	< 0.005	< 0.005	1.89	1.89	< 0.005	0.19	0.19	144
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.67	11.3	34.2	0.05	0.12	—	0.12	0.11	—	0.11	4,879
Demolition	—	—	—	—	—	1.83	1.83	—	0.28	0.28	—
Onsite truck	0.04	1.03	0.75	< 0.005	< 0.005	1.89	1.89	< 0.005	0.19	0.19	146
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	2.62	7.96	0.01	0.03	—	0.03	0.03	—	0.03	1,136
Demolition	—	—	—	—	—	0.43	0.43	—	0.06	0.06	—
Onsite truck	0.01	0.23	0.17	< 0.005	< 0.005	0.44	0.44	< 0.005	0.04	0.04	33.7
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.48	1.45	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	188
Demolition	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	5.58
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.21	3.27	0.00	0.00	0.52	0.52	0.00	0.12	0.12	586
Vendor	0.01	0.32	0.16	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	273
Hauling	0.15	10.3	3.58	0.05	0.11	2.30	2.41	0.11	0.62	0.72	9,010
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.24	2.78	0.00	0.00	0.52	0.52	0.00	0.12	0.12	554
Vendor	0.01	0.33	0.16	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	273
Hauling	0.14	10.7	3.60	0.05	0.11	2.30	2.41	0.11	0.62	0.72	8,992
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.06	0.68	0.00	0.00	0.12	0.12	0.00	0.03	0.03	131
Vendor	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	63.6
Hauling	0.03	2.53	0.83	0.01	0.02	0.53	0.56	0.02	0.14	0.17	2,096

Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.00	0.02	0.02	0.00	0.01	0.01	21.7
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	10.5
Hauling	0.01	0.46	0.15	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	347

3.3. Grading (2023) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.80	23.5	32.3	0.05	1.18	—	1.18	1.08	—	1.08	5,038
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.09	1.86	1.37	< 0.005	< 0.005	3.56	3.56	< 0.005	0.36	0.36	271
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.80	23.5	32.3	0.05	1.18	—	1.18	1.08	—	1.08	5,038
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.07	1.95	1.41	< 0.005	< 0.005	3.56	3.56	< 0.005	0.36	0.36	274
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.34	11.3	15.5	0.02	0.56	—	0.56	0.52	—	0.52	2,415
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—

Onsite truck	0.04	0.91	0.66	< 0.005	< 0.005	1.70	1.71	< 0.005	0.17	0.17	131
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	2.06	2.82	< 0.005	0.10	—	0.10	0.09	—	0.09	400
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.01	0.17	0.12	< 0.005	< 0.005	0.31	0.31	< 0.005	0.03	0.03	21.6
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.31	4.90	0.00	0.00	0.78	0.78	0.00	0.18	0.18	880
Vendor	0.01	0.32	0.16	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	273
Hauling	0.29	20.6	7.15	0.11	0.21	4.60	4.81	0.21	1.23	1.44	18,019
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.37	4.16	0.00	0.00	0.78	0.78	0.00	0.18	0.18	831
Vendor	0.01	0.33	0.16	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	273
Hauling	0.28	21.4	7.19	0.11	0.21	4.60	4.81	0.21	1.23	1.44	17,984
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.18	2.09	0.00	0.00	0.37	0.37	0.00	0.09	0.09	405
Vendor	< 0.005	0.16	0.08	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	131
Hauling	0.14	10.4	3.44	0.05	0.10	2.20	2.30	0.10	0.59	0.69	8,629
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.38	0.00	0.00	0.07	0.07	0.00	0.02	0.02	67.0
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	21.7
Hauling	0.03	1.90	0.63	0.01	0.02	0.40	0.42	0.02	0.11	0.13	1,429

3.4. Grading (2023) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	11.9	38.9	0.05	0.32	—	0.32	0.30	—	0.30	5,613
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.09	1.86	1.37	< 0.005	< 0.005	3.56	3.56	< 0.005	0.36	0.36	271
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	11.9	38.9	0.05	0.32	—	0.32	0.30	—	0.30	5,613
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.07	1.95	1.41	< 0.005	< 0.005	3.56	3.56	< 0.005	0.36	0.36	274
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	5.70	18.7	0.03	0.15	—	0.15	0.14	—	0.14	2,691
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.04	0.91	0.66	< 0.005	< 0.005	1.70	1.71	< 0.005	0.17	0.17	131
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	1.04	3.40	< 0.005	0.03	—	0.03	0.03	—	0.03	446
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.01	0.17	0.12	< 0.005	< 0.005	0.31	0.31	< 0.005	0.03	0.03	21.6

Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.31	4.90	0.00	0.00	0.78	0.78	0.00	0.18	0.18	880
Vendor	0.01	0.32	0.16	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	273
Hauling	0.29	20.6	7.15	0.11	0.21	4.60	4.81	0.21	1.23	1.44	18,019
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.37	4.16	0.00	0.00	0.78	0.78	0.00	0.18	0.18	831
Vendor	0.01	0.33	0.16	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	273
Hauling	0.28	21.4	7.19	0.11	0.21	4.60	4.81	0.21	1.23	1.44	17,984
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.18	2.09	0.00	0.00	0.37	0.37	0.00	0.09	0.09	405
Vendor	< 0.005	0.16	0.08	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	131
Hauling	0.14	10.4	3.44	0.05	0.10	2.20	2.30	0.10	0.59	0.69	8,629
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.38	0.00	0.00	0.07	0.07	0.00	0.02	0.02	67.0
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	21.7
Hauling	0.03	1.90	0.63	0.01	0.02	0.40	0.42	0.02	0.11	0.13	1,429

3.5. Grading (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.62	21.9	32.2	0.05	1.04	—	1.04	0.96	—	0.96	5,035

Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.08	1.84	1.36	< 0.005	< 0.005	3.56	3.56	< 0.005	0.36	0.36	267
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.62	21.9	32.2	0.05	1.04	—	1.04	0.96	—	0.96	5,035
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.07	1.93	1.41	< 0.005	< 0.005	3.56	3.56	< 0.005	0.36	0.36	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.79	6.59	9.69	0.01	0.31	—	0.31	0.29	—	0.29	1,518
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.02	0.57	0.42	< 0.005	< 0.005	1.07	1.07	< 0.005	0.11	0.11	80.8
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	1.20	1.77	< 0.005	0.06	—	0.06	0.05	—	0.05	251
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	< 0.005	0.10	0.08	< 0.005	< 0.005	0.20	0.20	< 0.005	0.02	0.02	13.4
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.29	4.53	0.00	0.00	0.78	0.78	0.00	0.18	0.18	860
Vendor	0.01	0.30	0.15	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	270
Hauling	0.29	19.7	6.93	0.11	0.21	4.49	4.71	0.21	1.23	1.44	17,745

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.34	3.83	0.00	0.00	0.78	0.78	0.00	0.18	0.18	813
Vendor	0.01	0.32	0.15	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	269
Hauling	0.28	20.4	6.87	0.11	0.21	4.49	4.71	0.21	1.23	1.44	17,710
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.10	1.21	0.00	0.00	0.24	0.24	0.00	0.06	0.06	249
Vendor	< 0.005	0.10	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	81.2
Hauling	0.09	6.26	2.06	0.03	0.06	1.35	1.41	0.06	0.37	0.43	5,342
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.22	0.00	0.00	0.04	0.04	0.00	0.01	0.01	41.2
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	13.4
Hauling	0.02	1.14	0.38	0.01	0.01	0.25	0.26	0.01	0.07	0.08	884

3.6. Grading (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	11.7	38.9	0.05	0.30	—	0.30	0.28	—	0.28	5,611
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.08	1.84	1.36	< 0.005	< 0.005	3.56	3.56	< 0.005	0.36	0.36	267
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	11.7	38.9	0.05	0.30	—	0.30	0.28	—	0.28	5,611

Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.07	1.93	1.41	< 0.005	< 0.005	3.56	3.56	< 0.005	0.36	0.36	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	3.53	11.7	0.02	0.09	—	0.09	0.08	—	0.08	1,691
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.02	0.57	0.42	< 0.005	< 0.005	1.07	1.07	< 0.005	0.11	0.11	80.8
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.64	2.14	< 0.005	0.02	—	0.02	0.02	—	0.02	280
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	< 0.005	0.10	0.08	< 0.005	< 0.005	0.20	0.20	< 0.005	0.02	0.02	13.4
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.29	4.53	0.00	0.00	0.78	0.78	0.00	0.18	0.18	860
Vendor	0.01	0.30	0.15	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	270
Hauling	0.29	19.7	6.93	0.11	0.21	4.49	4.71	0.21	1.23	1.44	17,745
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.34	3.83	0.00	0.00	0.78	0.78	0.00	0.18	0.18	813
Vendor	0.01	0.32	0.15	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	269
Hauling	0.28	20.4	6.87	0.11	0.21	4.49	4.71	0.21	1.23	1.44	17,710
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.10	1.21	0.00	0.00	0.24	0.24	0.00	0.06	0.06	249

Vendor	< 0.005	0.10	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	81.2
Hauling	0.09	6.26	2.06	0.03	0.06	1.35	1.41	0.06	0.37	0.43	5,342
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.02	0.22	0.00	0.00	0.04	0.04	0.00	0.01	0.01	41.2
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	13.4
Hauling	0.02	1.14	0.38	0.01	0.01	0.25	0.26	0.01	0.07	0.08	884

3.7. Building Construction (2023) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.70	22.6	23.7	0.04	1.03	—	1.03	0.94	—	0.94	3,857
Onsite truck	0.09	2.01	1.49	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	271
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.70	22.6	23.7	0.04	1.03	—	1.03	0.94	—	0.94	3,857
Onsite truck	0.08	2.10	1.54	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	274
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	6.78	7.09	0.01	0.31	—	0.31	0.28	—	0.28	1,155
Onsite truck	0.03	0.61	0.45	< 0.005	< 0.005	0.33	0.33	< 0.005	0.03	0.03	81.5
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	1.24	1.29	< 0.005	0.06	—	0.06	0.05	—	0.05	191
Onsite truck	< 0.005	0.11	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.01	13.5

Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.39	6.13	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,100
Vendor	0.17	5.58	2.81	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,784
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.46	5.20	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,038
Vendor	0.17	5.82	2.85	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,774
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.14	1.63	0.00	0.00	0.29	0.29	0.00	0.07	0.07	316
Vendor	0.05	1.75	0.84	0.01	0.02	0.36	0.38	0.02	0.10	0.12	1,431
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.30	0.00	0.00	0.05	0.05	0.00	0.01	0.01	52.3
Vendor	0.01	0.32	0.15	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	237
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2023) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	13.7	34.1	0.06	0.19	—	0.19	0.18	—	0.18	5,449
Onsite truck	0.09	2.01	1.49	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	271

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	13.7	34.1	0.06	0.19	—	0.19	0.18	—	0.18	5,449
Onsite truck	0.08	2.10	1.54	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	274
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	4.09	10.2	0.02	0.06	—	0.06	0.05	—	0.05	1,632
Onsite truck	0.03	0.61	0.45	< 0.005	< 0.005	0.33	0.33	< 0.005	0.03	0.03	81.5
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.75	1.86	< 0.005	0.01	—	0.01	0.01	—	0.01	270
Onsite truck	< 0.005	0.11	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.01	13.5
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.39	6.13	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,100
Vendor	0.17	5.58	2.81	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,784
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.46	5.20	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,038
Vendor	0.17	5.82	2.85	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,774
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.14	1.63	0.00	0.00	0.29	0.29	0.00	0.07	0.07	316
Vendor	0.05	1.75	0.84	0.01	0.02	0.36	0.38	0.02	0.10	0.12	1,431
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.30	0.00	0.00	0.05	0.05	0.00	0.01	0.01	52.3

Vendor	0.01	0.32	0.15	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	237
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.54	21.6	23.5	0.04	0.92	—	0.92	0.84	—	0.84	3,857
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	3.85	4.19	0.01	0.16	—	0.16	0.15	—	0.15	687
Onsite truck	0.02	0.36	0.27	< 0.005	< 0.005	0.20	0.20	< 0.005	0.02	0.02	47.7
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.70	0.76	< 0.005	0.03	—	0.03	0.03	—	0.03	114
Onsite truck	< 0.005	0.07	0.05	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	7.90
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.42	4.78	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,016
Vendor	0.13	5.53	2.67	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,709
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.08	0.90	0.00	0.00	0.17	0.17	0.00	0.04	0.04	184
Vendor	0.02	1.00	0.47	0.01	0.01	0.21	0.22	0.01	0.06	0.07	839
Hauling	0.00	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	0.16	0.00	0.00	0.03	0.03	0.00	0.01	0.01	30.4
Vendor	< 0.005	0.18	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	139
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	13.7	34.1	0.06	0.19	—	0.19	0.18	—	0.18	5,449
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	2.43	6.08	0.01	0.03	—	0.03	0.03	—	0.03	970
Onsite truck	0.02	0.36	0.27	< 0.005	< 0.005	0.20	0.20	< 0.005	0.02	0.02	47.7
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.44	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	161
Onsite truck	< 0.005	0.07	0.05	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	7.90
Offsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.42	4.78	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,016
Vendor	0.13	5.53	2.67	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,709
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.08	0.90	0.00	0.00	0.17	0.17	0.00	0.04	0.04	184
Vendor	0.02	1.00	0.47	0.01	0.01	0.21	0.22	0.01	0.06	0.07	839
Hauling	0.00	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	0.16	0.00	0.00	0.03	0.03	0.00	0.01	0.01	30.4
Vendor	< 0.005	0.18	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	139
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2023) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.47	20.5	21.5	0.04	0.88	—	0.88	0.81	—	0.81	3,535
Onsite truck	0.08	2.10	1.54	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	274
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.30	2.45	2.57	< 0.005	0.11	—	0.11	0.10	—	0.10	422
Onsite truck	0.01	0.24	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.01	0.01	32.5
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.45	0.47	< 0.005	0.02	—	0.02	0.02	—	0.02	69.9
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	5.38
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.46	5.20	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,038
Vendor	0.17	5.82	2.85	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,774
Hauling	0.00	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	0.05	0.65	0.00	0.00	0.12	0.12	0.00	0.03	0.03	126
Vendor	0.02	0.70	0.34	< 0.005	0.01	0.14	0.15	0.01	0.04	0.05	570
Hauling	0.00	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	< 0.005	< 0.005	20.9
Vendor	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	94.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2023) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.29	14.3	31.9	0.06	0.33	—	0.33	0.31	—	0.31	5,127
Onsite truck	0.08	2.10	1.54	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	274
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	1.70	3.81	0.01	0.04	—	0.04	0.04	—	0.04	612
Onsite truck	0.01	0.24	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.01	0.01	32.5
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.31	0.69	< 0.005	0.01	—	0.01	0.01	—	0.01	101
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	5.38
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.46	5.20	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,038
Vendor	0.17	5.82	2.85	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,774
Hauling	0.00	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	0.05	0.65	0.00	0.00	0.12	0.12	0.00	0.03	0.03	126
Vendor	0.02	0.70	0.34	< 0.005	0.01	0.14	0.15	0.01	0.04	0.05	570
Hauling	0.00	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	< 0.005	< 0.005	20.9
Vendor	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	94.4

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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3.13. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.33	19.7	21.3	0.04	0.79	—	0.79	0.73	—	0.73	3,535
Onsite truck	0.09	1.99	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.33	19.7	21.3	0.04	0.79	—	0.79	0.73	—	0.73	3,535
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	7.00	7.60	0.01	0.28	—	0.28	0.26	—	0.26	1,259
Onsite truck	0.03	0.72	0.54	< 0.005	< 0.005	0.40	0.40	< 0.005	0.04	0.04	95.4
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	1.28	1.39	< 0.005	0.05	—	0.05	0.05	—	0.05	208
Onsite truck	0.01	0.13	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	15.8
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.36	5.66	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,075
Vendor	0.14	5.32	2.61	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,719
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.42	4.78	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,016
Vendor	0.13	5.53	2.67	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,709
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.15	1.79	0.00	0.00	0.35	0.35	0.00	0.08	0.08	368
Vendor	0.05	1.99	0.94	0.01	0.02	0.42	0.45	0.02	0.12	0.14	1,679
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.33	0.00	0.00	0.06	0.06	0.00	0.01	0.01	60.9
Vendor	0.01	0.36	0.17	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	278
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.29	14.3	31.9	0.06	0.33	—	0.33	0.31	—	0.31	5,127
Onsite truck	0.09	1.99	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.29	14.3	31.9	0.06	0.33	—	0.33	0.31	—	0.31	5,127
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.46	5.09	11.4	0.02	0.12	—	0.12	0.11	—	0.11	1,826
Onsite truck	0.03	0.72	0.54	< 0.005	< 0.005	0.40	0.40	< 0.005	0.04	0.04	95.4
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.93	2.07	< 0.005	0.02	—	0.02	0.02	—	0.02	302
Onsite truck	0.01	0.13	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	15.8
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.36	5.66	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,075
Vendor	0.14	5.32	2.61	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,719
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.42	4.78	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,016
Vendor	0.13	5.53	2.67	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,709
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.15	1.79	0.00	0.00	0.35	0.35	0.00	0.08	0.08	368
Vendor	0.05	1.99	0.94	0.01	0.02	0.42	0.45	0.02	0.12	0.14	1,679
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.33	0.00	0.00	0.06	0.06	0.00	0.01	0.01	60.9
Vendor	0.01	0.36	0.17	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	278
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.33	19.7	21.3	0.04	0.79	—	0.79	0.73	—	0.73	3,535
Onsite truck	0.09	1.99	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.33	19.7	21.3	0.04	0.79	—	0.79	0.73	—	0.73	3,535
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.10	9.26	10.1	0.02	0.37	—	0.37	0.34	—	0.34	1,666
Onsite truck	0.04	0.96	0.71	< 0.005	< 0.005	0.52	0.52	< 0.005	0.05	0.05	126
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	1.69	1.84	< 0.005	0.07	—	0.07	0.06	—	0.06	276
Onsite truck	0.01	0.17	0.13	< 0.005	< 0.005	0.10	0.10	< 0.005	0.01	0.01	20.9
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.36	5.66	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,075
Vendor	0.14	5.32	2.61	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,719
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.42	4.78	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,016
Vendor	0.13	5.53	2.67	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,709

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.20	2.37	0.00	0.00	0.46	0.46	0.00	0.11	0.11	487
Vendor	0.06	2.64	1.24	0.01	0.03	0.56	0.59	0.03	0.16	0.18	2,221
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.43	0.00	0.00	0.08	0.08	0.00	0.02	0.02	80.6
Vendor	0.01	0.48	0.23	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	368
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	13.5	31.9	0.06	0.18	—	0.18	0.18	—	0.18	5,127
Onsite truck	0.09	1.99	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	13.5	31.9	0.06	0.18	—	0.18	0.18	—	0.18	5,127
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	6.36	15.0	0.03	0.09	—	0.09	0.08	—	0.08	2,416
Onsite truck	0.04	0.96	0.71	< 0.005	< 0.005	0.52	0.52	< 0.005	0.05	0.05	126
Annual	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.08	1.16	2.74	< 0.005	0.02	—	0.02	0.02	—	0.02	400
Onsite truck	0.01	0.17	0.13	< 0.005	< 0.005	0.10	0.10	< 0.005	0.01	0.01	20.9
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.36	5.66	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,075
Vendor	0.14	5.32	2.61	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,719
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.42	4.78	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,016
Vendor	0.13	5.53	2.67	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,709
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.20	2.37	0.00	0.00	0.46	0.46	0.00	0.11	0.11	487
Vendor	0.06	2.64	1.24	0.01	0.03	0.56	0.59	0.03	0.16	0.18	2,221
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.43	0.00	0.00	0.08	0.08	0.00	0.02	0.02	80.6
Vendor	0.01	0.48	0.23	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	368
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.39	19.8	23.5	0.04	0.85	—	0.85	0.78	—	0.78	3,820
Onsite truck	0.09	1.99	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.39	19.8	23.5	0.04	0.85	—	0.85	0.78	—	0.78	3,820
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.29	10.6	12.6	0.02	0.46	—	0.46	0.42	—	0.42	2,056
Onsite truck	0.05	1.09	0.81	< 0.005	< 0.005	0.60	0.60	< 0.005	0.06	0.06	144
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	1.94	2.31	< 0.005	0.08	—	0.08	0.08	—	0.08	340
Onsite truck	0.01	0.20	0.15	< 0.005	< 0.005	0.11	0.11	< 0.005	0.01	0.01	23.9
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	1.01	1.08	17.0	0.00	0.00	2.94	2.94	0.00	0.69	0.69	3,224
Vendor	0.14	5.32	2.61	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,719
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.99	1.27	14.3	0.00	0.00	2.94	2.94	0.00	0.69	0.69	3,048
Vendor	0.13	5.53	2.67	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,709
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.53	0.68	8.12	0.00	0.00	1.57	1.57	0.00	0.37	0.37	1,667
Vendor	0.07	3.01	1.42	0.02	0.03	0.64	0.68	0.03	0.18	0.21	2,536

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.12	1.48	0.00	0.00	0.29	0.29	0.00	0.07	0.07	276
Vendor	0.01	0.55	0.26	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	420
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.18. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.09	1.99	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	6.20	19.0	0.03	0.07	—	0.07	0.07	—	0.07	2,994
Onsite truck	0.05	1.09	0.81	< 0.005	< 0.005	0.60	0.60	< 0.005	0.06	0.06	144
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	1.13	3.46	0.01	0.01	—	0.01	0.01	—	0.01	496
Onsite truck	0.01	0.20	0.15	< 0.005	< 0.005	0.11	0.11	< 0.005	0.01	0.01	23.9
Offsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	1.01	1.08	17.0	0.00	0.00	2.94	2.94	0.00	0.69	0.69	3,224
Vendor	0.14	5.32	2.61	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,719
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.99	1.27	14.3	0.00	0.00	2.94	2.94	0.00	0.69	0.69	3,048
Vendor	0.13	5.53	2.67	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,709
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.53	0.68	8.12	0.00	0.00	1.57	1.57	0.00	0.37	0.37	1,667
Vendor	0.07	3.01	1.42	0.02	0.03	0.64	0.68	0.03	0.18	0.21	2,536
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.12	1.48	0.00	0.00	0.29	0.29	0.00	0.07	0.07	276
Vendor	0.01	0.55	0.26	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	420
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.23	18.5	23.3	0.04	0.74	—	0.74	0.68	—	0.68	3,819
Onsite truck	0.09	1.98	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	262

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.23	18.5	23.3	0.04	0.74	—	0.74	0.68	—	0.68	3,819
Onsite truck	0.08	2.07	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.33	11.0	13.9	0.02	0.44	—	0.44	0.41	—	0.41	2,272
Onsite truck	0.05	1.20	0.90	< 0.005	< 0.005	0.66	0.66	< 0.005	0.07	0.07	157
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	2.01	2.53	< 0.005	0.08	—	0.08	0.07	—	0.07	376
Onsite truck	0.01	0.22	0.16	< 0.005	< 0.005	0.12	0.12	< 0.005	0.01	0.01	26.0
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.96	0.97	15.7	0.00	0.00	2.94	2.94	0.00	0.69	0.69	3,157
Vendor	0.13	5.05	2.47	0.03	0.06	1.20	1.26	0.03	0.33	0.36	4,644
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.95	1.08	13.3	0.00	0.00	2.94	2.94	0.00	0.69	0.69	2,986
Vendor	0.13	5.26	2.50	0.03	0.06	1.20	1.26	0.03	0.33	0.36	4,634
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.57	0.69	8.29	0.00	0.00	1.74	1.74	0.00	0.41	0.41	1,804
Vendor	0.08	3.15	1.47	0.02	0.04	0.71	0.75	0.02	0.20	0.21	2,759
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.13	1.51	0.00	0.00	0.32	0.32	0.00	0.07	0.07	299

Vendor	0.01	0.58	0.27	< 0.005	0.01	0.13	0.14	< 0.005	0.04	0.04	457
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.20. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.09	1.98	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	262
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.08	2.07	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	6.86	21.0	0.03	0.08	—	0.08	0.08	—	0.08	3,310
Onsite truck	0.05	1.20	0.90	< 0.005	< 0.005	0.66	0.66	< 0.005	0.07	0.07	157
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	1.25	3.83	0.01	0.01	—	0.01	0.01	—	0.01	548
Onsite truck	0.01	0.22	0.16	< 0.005	< 0.005	0.12	0.12	< 0.005	0.01	0.01	26.0
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.96	0.97	15.7	0.00	0.00	2.94	2.94	0.00	0.69	0.69	3,157
Vendor	0.13	5.05	2.47	0.03	0.06	1.20	1.26	0.03	0.33	0.36	4,644

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.95	1.08	13.3	0.00	0.00	2.94	2.94	0.00	0.69	0.69	2,986
Vendor	0.13	5.26	2.50	0.03	0.06	1.20	1.26	0.03	0.33	0.36	4,634
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.57	0.69	8.29	0.00	0.00	1.74	1.74	0.00	0.41	0.41	1,804
Vendor	0.08	3.15	1.47	0.02	0.04	0.71	0.75	0.02	0.20	0.21	2,759
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.13	1.51	0.00	0.00	0.32	0.32	0.00	0.07	0.07	299
Vendor	0.01	0.58	0.27	< 0.005	0.01	0.13	0.14	< 0.005	0.04	0.04	457
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.39	19.8	23.5	0.04	0.85	—	0.85	0.78	—	0.78	3,820
Onsite truck	0.09	1.99	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.39	19.8	23.5	0.04	0.85	—	0.85	0.78	—	0.78	3,820
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.86	7.11	8.45	0.01	0.31	—	0.31	0.28	—	0.28	1,375
Onsite truck	0.03	0.73	0.54	< 0.005	< 0.005	0.40	0.40	< 0.005	0.04	0.04	96.4
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.30	1.54	< 0.005	0.06	—	0.06	0.05	—	0.05	228
Onsite truck	0.01	0.13	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	16.0
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	1.01	1.08	17.0	0.00	0.00	2.94	2.94	0.00	0.69	0.69	3,224
Vendor	0.14	5.32	2.61	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,719
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.99	1.27	14.3	0.00	0.00	2.94	2.94	0.00	0.69	0.69	3,048
Vendor	0.13	5.53	2.67	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,709
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.36	0.46	5.43	0.00	0.00	1.05	1.05	0.00	0.25	0.25	1,115
Vendor	0.05	2.01	0.95	0.01	0.02	0.43	0.45	0.02	0.12	0.14	1,697
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.08	0.99	0.00	0.00	0.19	0.19	0.00	0.05	0.05	185
Vendor	0.01	0.37	0.17	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	281
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.22. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.09	1.99	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	4.15	12.7	0.02	0.05	—	0.05	0.05	—	0.05	2,004
Onsite truck	0.03	0.73	0.54	< 0.005	< 0.005	0.40	0.40	< 0.005	0.04	0.04	96.4
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.76	2.32	< 0.005	0.01	—	0.01	0.01	—	0.01	332
Onsite truck	0.01	0.13	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	16.0
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	1.01	1.08	17.0	0.00	0.00	2.94	2.94	0.00	0.69	0.69	3,224
Vendor	0.14	5.32	2.61	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,719
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Worker	0.99	1.27	14.3	0.00	0.00	2.94	2.94	0.00	0.69	0.69	3,048
Vendor	0.13	5.53	2.67	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,709
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.36	0.46	5.43	0.00	0.00	1.05	1.05	0.00	0.25	0.25	1,115
Vendor	0.05	2.01	0.95	0.01	0.02	0.43	0.45	0.02	0.12	0.14	1,697
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.08	0.99	0.00	0.00	0.19	0.19	0.00	0.05	0.05	185
Vendor	0.01	0.37	0.17	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	281
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.23. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.23	18.5	23.3	0.04	0.74	—	0.74	0.68	—	0.68	3,819
Onsite truck	0.09	1.98	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	262
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.23	18.5	23.3	0.04	0.74	—	0.74	0.68	—	0.68	3,819
Onsite truck	0.08	2.07	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.59	13.2	16.7	0.03	0.53	—	0.53	0.49	—	0.49	2,728

Onsite truck	0.06	1.44	1.08	< 0.005	< 0.005	0.79	0.79	< 0.005	0.08	0.08	188
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	2.41	3.04	0.01	0.10	—	0.10	0.09	—	0.09	452
Onsite truck	0.01	0.26	0.20	< 0.005	< 0.005	0.14	0.14	< 0.005	0.01	0.01	31.2
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.96	0.97	15.7	0.00	0.00	2.94	2.94	0.00	0.69	0.69	3,157
Vendor	0.13	5.05	2.47	0.03	0.06	1.20	1.26	0.03	0.33	0.36	4,644
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.95	1.08	13.3	0.00	0.00	2.94	2.94	0.00	0.69	0.69	2,986
Vendor	0.13	5.26	2.50	0.03	0.06	1.20	1.26	0.03	0.33	0.36	4,634
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.68	0.83	9.96	0.00	0.00	2.09	2.09	0.00	0.49	0.49	2,166
Vendor	0.09	3.78	1.76	0.02	0.04	0.85	0.90	0.02	0.24	0.26	3,313
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.15	1.82	0.00	0.00	0.38	0.38	0.00	0.09	0.09	359
Vendor	0.02	0.69	0.32	< 0.005	0.01	0.16	0.16	< 0.005	0.04	0.05	548
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.24. Building Construction (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	CO2e
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Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.09	1.98	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	262
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.08	2.07	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	8.23	25.2	0.04	0.09	—	0.09	0.09	—	0.09	3,974
Onsite truck	0.06	1.44	1.08	< 0.005	< 0.005	0.79	0.79	< 0.005	0.08	0.08	188
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	1.50	4.59	0.01	0.02	—	0.02	0.02	—	0.02	658
Onsite truck	0.01	0.26	0.20	< 0.005	< 0.005	0.14	0.14	< 0.005	0.01	0.01	31.2
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.96	0.97	15.7	0.00	0.00	2.94	2.94	0.00	0.69	0.69	3,157
Vendor	0.13	5.05	2.47	0.03	0.06	1.20	1.26	0.03	0.33	0.36	4,644
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.95	1.08	13.3	0.00	0.00	2.94	2.94	0.00	0.69	0.69	2,986
Vendor	0.13	5.26	2.50	0.03	0.06	1.20	1.26	0.03	0.33	0.36	4,634
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.68	0.83	9.96	0.00	0.00	2.09	2.09	0.00	0.49	0.49	2,166
Vendor	0.09	3.78	1.76	0.02	0.04	0.85	0.90	0.02	0.24	0.26	3,313
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.15	1.82	0.00	0.00	0.38	0.38	0.00	0.09	0.09	359
Vendor	0.02	0.69	0.32	< 0.005	0.01	0.16	0.16	< 0.005	0.04	0.05	548
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.25. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.11	17.6	23.2	0.04	0.65	—	0.65	0.60	—	0.60	3,819
Onsite truck	0.08	2.05	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	262
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.07	1.41	< 0.005	0.04	—	0.04	0.04	—	0.04	232
Onsite truck	0.01	0.12	0.09	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	15.8
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.19	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	38.4
Onsite truck	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	2.61
Offsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.82	0.98	12.4	0.00	0.00	2.94	2.94	0.00	0.69	0.69	2,925
Vendor	0.12	5.03	2.38	0.03	0.06	1.20	1.26	0.03	0.33	0.36	4,557
Hauling	0.00	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	0.06	0.79	0.00	0.00	0.18	0.18	0.00	0.04	0.04	180
Vendor	0.01	0.31	0.14	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	277
Hauling	0.00	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	0.14	0.00	0.00	0.03	0.03	0.00	0.01	0.01	29.9
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	45.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.26. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.08	2.05	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	262
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.04	0.70	2.14	< 0.005	0.01	—	0.01	0.01	—	0.01	338
Onsite truck	0.01	0.12	0.09	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	15.8
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.13	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	55.9
Onsite truck	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	2.61
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.82	0.98	12.4	0.00	0.00	2.94	2.94	0.00	0.69	0.69	2,925
Vendor	0.12	5.03	2.38	0.03	0.06	1.20	1.26	0.03	0.33	0.36	4,557
Hauling	0.00	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	0.06	0.79	0.00	0.00	0.18	0.18	0.00	0.04	0.04	180
Vendor	0.01	0.31	0.14	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	277
Hauling	0.00	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	0.14	0.00	0.00	0.03	0.03	0.00	0.01	0.01	29.9
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	45.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.27. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.23	18.5	23.3	0.04	0.74	—	0.74	0.68	—	0.68	3,819
Onsite truck	0.08	2.07	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	1.12	1.41	< 0.005	0.04	—	0.04	0.04	—	0.04	232
Onsite truck	0.01	0.12	0.09	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	16.0
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.20	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	38.4
Onsite truck	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	2.65
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.95	1.08	13.3	0.00	0.00	2.94	2.94	0.00	0.69	0.69	2,986
Vendor	0.13	5.26	2.50	0.03	0.06	1.20	1.26	0.03	0.33	0.36	4,634
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.07	0.85	0.00	0.00	0.18	0.18	0.00	0.04	0.04	184
Vendor	0.01	0.32	0.15	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	281
Hauling	0.00	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	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	30.5
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	46.6

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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3.28. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.08	2.07	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.70	2.14	< 0.005	0.01	—	0.01	0.01	—	0.01	338
Onsite truck	0.01	0.12	0.09	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	16.0
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.13	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	55.9
Onsite truck	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	2.65
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.95	1.08	13.3	0.00	0.00	2.94	2.94	0.00	0.69	0.69	2,986
Vendor	0.13	5.26	2.50	0.03	0.06	1.20	1.26	0.03	0.33	0.36	4,634
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Worker	0.06	0.07	0.85	0.00	0.00	0.18	0.18	0.00	0.04	0.04	184
Vendor	0.01	0.32	0.15	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	281
Hauling	0.00	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	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	30.5
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	46.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.29. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.11	17.6	23.2	0.04	0.65	—	0.65	0.60	—	0.60	3,819
Onsite truck	0.09	1.95	1.49	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	258
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.11	17.6	23.2	0.04	0.65	—	0.65	0.60	—	0.60	3,819
Onsite truck	0.08	2.05	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	262
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	6.15	8.12	0.01	0.23	—	0.23	0.21	—	0.21	1,338
Onsite truck	0.03	0.70	0.53	< 0.005	< 0.005	0.39	0.39	< 0.005	0.04	0.04	91.1
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.12	1.48	< 0.005	0.04	—	0.04	0.04	—	0.04	221

Onsite truck	0.01	0.13	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	15.1
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.83	0.87	14.5	0.00	0.00	2.94	2.94	0.00	0.69	0.69	3,094
Vendor	0.13	4.81	2.33	0.03	0.06	1.20	1.26	0.03	0.33	0.36	4,567
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.82	0.98	12.4	0.00	0.00	2.94	2.94	0.00	0.69	0.69	2,925
Vendor	0.12	5.03	2.38	0.03	0.06	1.20	1.26	0.03	0.33	0.36	4,557
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.37	4.55	0.00	0.00	1.02	1.02	0.00	0.24	0.24	1,041
Vendor	0.04	1.77	0.83	0.01	0.02	0.42	0.44	0.01	0.12	0.13	1,598
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.07	0.83	0.00	0.00	0.19	0.19	0.00	0.04	0.04	172
Vendor	0.01	0.32	0.15	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	265
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.30. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564

Onsite truck	0.09	1.95	1.49	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	258
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.08	2.05	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	262
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	4.04	12.3	0.02	0.05	—	0.05	0.04	—	0.04	1,949
Onsite truck	0.03	0.70	0.53	< 0.005	< 0.005	0.39	0.39	< 0.005	0.04	0.04	91.1
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.74	2.25	< 0.005	0.01	—	0.01	0.01	—	0.01	323
Onsite truck	0.01	0.13	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	15.1
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.83	0.87	14.5	0.00	0.00	2.94	2.94	0.00	0.69	0.69	3,094
Vendor	0.13	4.81	2.33	0.03	0.06	1.20	1.26	0.03	0.33	0.36	4,567
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.82	0.98	12.4	0.00	0.00	2.94	2.94	0.00	0.69	0.69	2,925
Vendor	0.12	5.03	2.38	0.03	0.06	1.20	1.26	0.03	0.33	0.36	4,557
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.37	4.55	0.00	0.00	1.02	1.02	0.00	0.24	0.24	1,041
Vendor	0.04	1.77	0.83	0.01	0.02	0.42	0.44	0.01	0.12	0.13	1,598
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—

Worker	0.05	0.07	0.83	0.00	0.00	0.19	0.19	0.00	0.04	0.04	172
Vendor	0.01	0.32	0.15	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	265
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.31. Paving (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.67	22.7	28.5	0.05	0.95	—	0.95	0.87	—	0.87	4,720
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.71	0.53	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	91.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.38	1.73	< 0.005	0.06	—	0.06	0.05	—	0.05	286
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	5.48
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.25	0.32	< 0.005	0.01	—	0.01	0.01	—	0.01	47.4
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.91
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.34	4.13	0.00	0.00	0.91	0.91	0.00	0.21	0.21	929
Vendor	0.04	1.80	0.86	0.01	0.02	0.41	0.43	0.01	0.11	0.12	1,589
Hauling	0.00	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	0.26	0.00	0.00	0.06	0.06	0.00	0.01	0.01	57.2
Vendor	< 0.005	0.11	0.05	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	96.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	9.48
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	16.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.32. Paving (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.86	11.3	36.1	0.06	0.18	—	0.18	0.17	—	0.17	5,478
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.71	0.53	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	91.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.69	2.19	< 0.005	0.01	—	0.01	0.01	—	0.01	332

Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	5.48
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.13	0.40	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	55.0
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.91
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.34	4.13	0.00	0.00	0.91	0.91	0.00	0.21	0.21	929
Vendor	0.04	1.80	0.86	0.01	0.02	0.41	0.43	0.01	0.11	0.12	1,589
Hauling	0.00	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	0.26	0.00	0.00	0.06	0.06	0.00	0.01	0.01	57.2
Vendor	< 0.005	0.11	0.05	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	96.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	9.48
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	16.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.33. 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.54	21.6	28.4	0.05	0.85	—	0.85	0.78	—	0.78	4,719
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.67	0.51	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	88.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.54	21.6	28.4	0.05	0.85	—	0.85	0.78	—	0.78	4,719
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.70	0.53	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	89.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	7.65	10.1	0.02	0.30	—	0.30	0.28	—	0.28	1,671
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.24	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.01	0.01	31.6
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.40	1.83	< 0.005	0.06	—	0.06	0.05	—	0.05	277
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	5.23
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.27	4.52	0.00	0.00	0.91	0.91	0.00	0.21	0.21	962
Vendor	0.04	1.65	0.80	0.01	0.02	0.41	0.43	0.01	0.11	0.12	1,566
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Worker	0.26	0.30	3.86	0.00	0.00	0.91	0.91	0.00	0.21	0.21	910
Vendor	0.04	1.73	0.82	0.01	0.02	0.41	0.43	0.01	0.11	0.12	1,563
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.12	1.43	0.00	0.00	0.32	0.32	0.00	0.08	0.08	328
Vendor	0.02	0.61	0.29	< 0.005	0.01	0.14	0.15	< 0.005	0.04	0.04	554
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.26	0.00	0.00	0.06	0.06	0.00	0.01	0.01	54.2
Vendor	< 0.005	0.11	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	91.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.34. 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.86	11.3	36.1	0.06	0.18	—	0.18	0.17	—	0.17	5,477
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.67	0.51	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	88.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.86	11.3	36.1	0.06	0.18	—	0.18	0.17	—	0.17	5,477
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.70	0.53	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	89.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.30	4.00	12.8	0.02	0.06	—	0.06	0.06	—	0.06	1,940
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.24	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.01	0.01	31.6
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.73	2.33	< 0.005	0.01	—	0.01	0.01	—	0.01	321
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	5.23
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.27	4.52	0.00	0.00	0.91	0.91	0.00	0.21	0.21	962
Vendor	0.04	1.65	0.80	0.01	0.02	0.41	0.43	0.01	0.11	0.12	1,566
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.30	3.86	0.00	0.00	0.91	0.91	0.00	0.21	0.21	910
Vendor	0.04	1.73	0.82	0.01	0.02	0.41	0.43	0.01	0.11	0.12	1,563
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.12	1.43	0.00	0.00	0.32	0.32	0.00	0.08	0.08	328
Vendor	0.02	0.61	0.29	< 0.005	0.01	0.14	0.15	< 0.005	0.04	0.04	554
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.26	0.00	0.00	0.06	0.06	0.00	0.01	0.01	54.2
Vendor	< 0.005	0.11	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	91.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.35. Architectural Coating (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	16.5	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.68	0.51	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	89.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	16.5	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.71	0.53	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	91.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.96	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.25	0.19	< 0.005	< 0.005	0.14	0.14	< 0.005	0.01	0.01	32.6
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.09	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.05	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	5.39
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	0.36	0.18	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	332
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	0.38	0.18	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	331
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	119
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	19.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.36. Architectural Coating (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	16.5	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.68	0.51	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	89.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	16.5	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.71	0.53	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	91.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.96	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.01	0.25	0.19	< 0.005	< 0.005	0.14	0.14	< 0.005	0.01	0.01	32.6
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.09	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.05	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	5.39
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	0.36	0.18	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	332
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	0.38	0.18	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	331
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	119
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	19.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.37. 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	CO2e
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Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	16.5	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.67	0.51	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	88.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	16.5	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.70	0.53	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	89.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.83	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.24	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.01	0.01	31.4
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.06	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	5.20
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	0.34	0.17	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	326
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	0.36	0.17	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	326
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	115
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	19.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.38. 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	16.5	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.67	0.51	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	88.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	16.5	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.70	0.53	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	89.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.83	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.24	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.01	0.01	31.4
Annual	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	1.06	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	5.20
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	0.34	0.17	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	326
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	0.36	0.17	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	326
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	115
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	19.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	2,256
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	880
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	5,180
Strip Mall	—	—	—	—	—	—	—	—	—	—	245
Total	—	—	—	—	—	—	—	—	—	—	8,561
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	2,256
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	880
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	5,180
Strip Mall	—	—	—	—	—	—	—	—	—	—	245
Total	—	—	—	—	—	—	—	—	—	—	8,561

Annual	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	374
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	146
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	858
Strip Mall	—	—	—	—	—	—	—	—	—	—	40.6
Total	—	—	—	—	—	—	—	—	—	—	1,417

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	2,256
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	880
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	5,180
Strip Mall	—	—	—	—	—	—	—	—	—	—	245
Total	—	—	—	—	—	—	—	—	—	—	8,561
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	2,256

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	880
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	5,180
Strip Mall	—	—	—	—	—	—	—	—	—	—	245
Total	—	—	—	—	—	—	—	—	—	—	8,561
Annual	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	374
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	146
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	858
Strip Mall	—	—	—	—	—	—	—	—	—	—	40.6
Total	—	—	—	—	—	—	—	—	—	—	1,417

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	308
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00

Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	308
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	308
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	308
Annual	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	51.0
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	51.0

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	308
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	308
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	308
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	308
Annual	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	51.0
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	51.0

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.02	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Consumer Products	14.4	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.18	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	6.98	0.55	59.7	< 0.005	0.04	—	0.04	0.06	—	0.06	192
Total	22.6	0.75	59.8	< 0.005	0.05	—	0.05	0.07	—	0.07	388
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.02	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Consumer Products	14.4	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.18	—	—	—	—	—	—	—	—	—	—
Total	15.6	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Annual	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	0.04	0.02	0.00	< 0.005	—	< 0.005	< 0.005	—	< 0.005	32.4
Consumer Products	2.63	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.22	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.87	0.07	7.46	< 0.005	0.01	—	0.01	0.01	—	0.01	21.8

Total	3.72	0.11	7.48	< 0.005	0.01	—	0.01	0.01	—	0.01	54.3
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4.3.1. Mitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.02	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Consumer Products	14.4	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.18	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	6.98	0.55	59.7	< 0.005	0.04	—	0.04	0.06	—	0.06	192
Total	22.6	0.75	59.8	< 0.005	0.05	—	0.05	0.07	—	0.07	388
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.02	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Consumer Products	14.4	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.18	—	—	—	—	—	—	—	—	—	—
Total	15.6	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Annual	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	0.04	0.02	0.00	< 0.005	—	< 0.005	< 0.005	—	< 0.005	32.4
Consumer Products	2.63	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.22	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.87	0.07	7.46	< 0.005	0.01	—	0.01	0.01	—	0.01	21.8

Total	3.72	0.11	7.48	< 0.005	0.01	—	0.01	0.01	—	0.01	54.3
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4.4. Water Emissions by Land Use

4.4.2. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	69.5
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	419
Strip Mall	—	—	—	—	—	—	—	—	—	—	17.0
Total	—	—	—	—	—	—	—	—	—	—	506
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	69.5
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	419
Strip Mall	—	—	—	—	—	—	—	—	—	—	17.0
Total	—	—	—	—	—	—	—	—	—	—	506
Annual	—	—	—	—	—	—	—	—	—	—	—

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	11.5
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	69.4
Strip Mall	—	—	—	—	—	—	—	—	—	—	2.81
Total	—	—	—	—	—	—	—	—	—	—	83.7

4.4.1. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	55.6
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	335
Strip Mall	—	—	—	—	—	—	—	—	—	—	13.6
Total	—	—	—	—	—	—	—	—	—	—	405
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	55.6
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	335
Strip Mall	—	—	—	—	—	—	—	—	—	—	13.6
Total	—	—	—	—	—	—	—	—	—	—	405
Annual	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	9.20
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	55.5
Strip Mall	—	—	—	—	—	—	—	—	—	—	2.25
Total	—	—	—	—	—	—	—	—	—	—	67.0

4.5. Waste Emissions by Land Use

4.5.2. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	306

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	698
Strip Mall	—	—	—	—	—	—	—	—	—	—	27.0
Total	—	—	—	—	—	—	—	—	—	—	1,031
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	306
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	698
Strip Mall	—	—	—	—	—	—	—	—	—	—	27.0
Total	—	—	—	—	—	—	—	—	—	—	1,031
Annual	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	50.7
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	116
Strip Mall	—	—	—	—	—	—	—	—	—	—	4.47
Total	—	—	—	—	—	—	—	—	—	—	171

4.5.1. 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	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	72.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	165
Strip Mall	—	—	—	—	—	—	—	—	—	—	6.38
Total	—	—	—	—	—	—	—	—	—	—	243
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	72.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	165
Strip Mall	—	—	—	—	—	—	—	—	—	—	6.38
Total	—	—	—	—	—	—	—	—	—	—	243
Annual	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	12.0
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	27.3
Strip Mall	—	—	—	—	—	—	—	—	—	—	1.06

Total	—	—	—	—	—	—	—	—	—	—	40.3
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4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	21.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	4.63
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.09
Total	—	—	—	—	—	—	—	—	—	—	26.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	21.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	4.63
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.09
Total	—	—	—	—	—	—	—	—	—	—	26.1
Annual	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	3.53
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.77
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.01

Total	—	—	—	—	—	—	—	—	—	—	4.31
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4.6.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	21.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	4.63
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.09
Total	—	—	—	—	—	—	—	—	—	—	26.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	21.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	4.63
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.09
Total	—	—	—	—	—	—	—	—	—	—	26.1
Annual	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	3.53
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.77
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.01
Total	—	—	—	—	—	—	—	—	—	—	4.31

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Annual	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275
Total	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275

4.8.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Emergency Generator	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Annual	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275
Total	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

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

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	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	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	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	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	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	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	—	—	—	—	—	—	—	—	—	—	—

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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	2/1/2023	5/30/2023	5.00	85.0	—
Grading Building 1-3	Grading	5/1/2023	6/2/2024	5.00	285	—
Podium Building 1	Building Construction	8/1/2023	3/31/2024	5.00	174	—
Podium Building 2	Building Construction	11/1/2023	6/30/2024	5.00	173	—
Podium Building 3	Building Construction	5/4/2024	12/31/2024	5.00	172	—
Building Construction 1	Building Construction	4/1/2024	10/31/2025	5.00	415	—
Building Construction 2	Building Construction	7/1/2024	1/31/2026	5.00	415	—
Building Construction 3	Building Construction	12/1/2025	6/28/2026	5.00	150	—
Paving	Paving	12/1/2025	6/30/2026	5.00	152	—
Architectural Coating	Architectural Coating	7/1/2025	6/29/2026	5.00	260	—

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	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Demolition	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Demolition	Other Construction Equipment	Diesel	Average	3.00	8.00	82.0	0.42
Demolition	Excavators	Diesel	Average	2.00	8.00	158	0.38

Demolition	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Demolition	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Demolition	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Demolition	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Grading Building 1-3	Bore/Drill Rigs	Diesel	Average	2.00	8.00	83.0	0.50
Grading Building 1-3	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Grading Building 1-3	Other Construction Equipment	Diesel	Average	2.00	8.00	82.0	0.42
Grading Building 1-3	Excavators	Diesel	Average	2.00	8.00	158	0.38
Grading Building 1-3	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Grading Building 1-3	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Grading Building 1-3	Rubber Tired Loaders	Diesel	Average	2.00	8.00	150	0.36
Grading Building 1-3	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Grading Building 1-3	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Grading Building 1-3	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Grading Building 1-3	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Podium Building 1	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Podium Building 1	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Podium Building 1	Concrete/Industrial Saws	Diesel	Average	3.00	8.00	33.0	0.73
Podium Building 1	Cranes	Diesel	Average	1.00	8.00	367	0.29
Podium Building 1	Other Construction Equipment	Diesel	Average	2.00	8.00	82.0	0.42
Podium Building 1	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20
Podium Building 1	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43

Podium Building 1	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Podium Building 1	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Podium Building 1	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Podium Building 2	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Podium Building 2	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Podium Building 2	Concrete/Industrial Saws	Diesel	Average	3.00	8.00	33.0	0.73
Podium Building 2	Cranes	Diesel	Average	1.00	8.00	367	0.29
Podium Building 2	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20
Podium Building 2	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Podium Building 2	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Podium Building 2	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Podium Building 2	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Podium Building 3	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Podium Building 3	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Podium Building 3	Concrete/Industrial Saws	Diesel	Average	3.00	8.00	33.0	0.73
Podium Building 3	Cranes	Diesel	Average	1.00	8.00	367	0.29
Podium Building 3	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20
Podium Building 3	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Podium Building 3	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Podium Building 3	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Podium Building 3	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Building Construction 1	Air Compressors	Diesel	Average	3.00	8.00	37.0	0.48
Building Construction 1	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Building Construction 1	Cranes	Diesel	Average	1.00	8.00	367	0.29

Building Construction 1	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction 1	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Building Construction 1	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Building Construction 1	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Building Construction 1	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Building Construction 2	Air Compressors	Diesel	Average	3.00	8.00	37.0	0.48
Building Construction 2	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Building Construction 2	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction 2	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction 2	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Building Construction 2	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Building Construction 2	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Building Construction 2	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Building Construction 3	Air Compressors	Diesel	Average	3.00	8.00	37.0	0.48
Building Construction 3	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Building Construction 3	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction 3	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction 3	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Building Construction 3	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Building Construction 3	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Building Construction 3	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Paving	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Paving	Cement and Mortar Mixers	Diesel	Average	2.00	8.00	10.0	0.56
Paving	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Paving	Cranes	Diesel	Average	1.00	8.00	367	0.29

Paving	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Paving	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Paving	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Paving	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Paving	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50
Paving	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Grading Building 1-3	Cranes	Electric	Average	1.00	8.00	367	0.29
Podium Building 1	Cranes	Electric	Average	1.00	8.00	367	0.29
Podium Building 2	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Podium Building 2	Cranes	Electric	Average	1.00	8.00	367	0.29
Podium Building 3	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Podium Building 3	Cranes	Electric	Average	1.00	8.00	367	0.29
Building Construction 1	Cranes	Electric	Average	1.00	8.00	367	0.29
Building Construction 1	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Building Construction 2	Cranes	Electric	Average	1.00	8.00	367	0.29
Building Construction 2	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Building Construction 3	Cranes	Electric	Average	1.00	8.00	367	0.29
Building Construction 3	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42

Paving	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
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5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	2.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading Building 1-3	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading Building 1-3	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Podium Building 1	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Podium Building 1	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Podium Building 1	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Podium Building 2	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Podium Building 2	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Podium Building 2	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Podium Building 3	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Podium Building 3	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Podium Building 3	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Construction 1	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction 1	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction 1	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Construction 2	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction 2	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction 2	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Construction 3	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction 3	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20

Building Construction 3	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Final	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
Demolition	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	2.00	8.00	33.0	0.73
Demolition	Other Construction Equipment	Diesel	Tier 4 Final	3.00	8.00	82.0	0.42
Demolition	Excavators	Diesel	Tier 4 Final	2.00	8.00	158	0.38
Demolition	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	8.00	150	0.36
Demolition	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Demolition	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Demolition	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
Grading Building 1-3	Bore/Drill Rigs	Diesel	Tier 4 Final	2.00	8.00	83.0	0.50
Grading Building 1-3	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Grading Building 1-3	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Grading Building 1-3	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Grading Building 1-3	Excavators	Diesel	Tier 4 Final	2.00	8.00	158	0.38
Grading Building 1-3	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Grading Building 1-3	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading Building 1-3	Rubber Tired Loaders	Diesel	Tier 4 Final	2.00	8.00	150	0.36
Grading Building 1-3	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Grading Building 1-3	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37

Grading Building 1-3	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Grading Building 1-3	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Podium Building 1	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Podium Building 1	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Podium Building 1	Concrete/Industrial Saws	Diesel	Tier 4 Final	3.00	8.00	33.0	0.73
Podium Building 1	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Podium Building 1	Other Construction Equipment	Diesel	Tier 4 Final	2.00	8.00	82.0	0.42
Podium Building 1	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Podium Building 1	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Podium Building 1	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Podium Building 1	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Podium Building 1	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Podium Building 2	Air Compressors	Diesel	Tier 1	1.00	8.00	37.0	0.48
Podium Building 2	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Podium Building 2	Concrete/Industrial Saws	Diesel	Tier 4 Final	3.00	8.00	33.0	0.73
Podium Building 2	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Podium Building 2	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Podium Building 2	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Podium Building 2	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Podium Building 2	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Podium Building 2	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Podium Building 3	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Podium Building 3	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56

Podium Building 3	Concrete/Industrial Saws	Diesel	Tier 4 Final	3.00	8.00	33.0	0.73
Podium Building 3	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Podium Building 3	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Podium Building 3	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Podium Building 3	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Podium Building 3	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Podium Building 3	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Construction 1	Air Compressors	Diesel	Tier 4 Final	3.00	8.00	37.0	0.48
Building Construction 1	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
Building Construction 1	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Building Construction 1	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction 1	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	8.00	150	0.36
Building Construction 1	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Building Construction 1	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Building Construction 1	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Construction 2	Air Compressors	Diesel	Tier 4 Final	3.00	8.00	37.0	0.48
Building Construction 2	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
Building Construction 2	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Building Construction 2	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction 2	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	8.00	150	0.36
Building Construction 2	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Building Construction 2	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Building Construction 2	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Construction 3	Air Compressors	Diesel	Tier 4 Final	3.00	8.00	37.0	0.48
Building Construction 3	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73

Building Construction 3	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Building Construction 3	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction 3	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	8.00	150	0.36
Building Construction 3	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Building Construction 3	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Building Construction 3	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Paving	Air Compressors	Diesel	Tier 4 Final	2.00	8.00	37.0	0.48
Paving	Cement and Mortar Mixers	Diesel	Average	2.00	8.00	10.0	0.56
Paving	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
Paving	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Paving	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Paving	Pavers	Diesel	Tier 4 Final	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Paving	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Paving	Rollers	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
Paving	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	8.00	150	0.36
Paving	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Paving	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Paving	Trenchers	Diesel	Tier 4 Final	1.00	8.00	40.0	0.50
Paving	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
Grading Building 1-3	Cranes	Electric	Average	1.00	8.00	367	0.29
Podium Building 1	Cranes	Electric	Tier 4 Final	1.00	8.00	367	0.29
Podium Building 2	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Podium Building 2	Cranes	Electric	Tier 4 Final	1.00	8.00	367	0.29

Podium Building 3	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Podium Building 3	Cranes	Electric	Tier 4 Final	1.00	8.00	367	0.29
Building Construction 1	Cranes	Electric	Tier 4 Final	1.00	8.00	367	0.29
Building Construction 1	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Building Construction 2	Cranes	Electric	Tier 4 Final	1.00	8.00	367	0.29
Building Construction 2	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Building Construction 3	Cranes	Electric	Tier 4 Final	1.00	8.00	367	0.29
Building Construction 3	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Paving	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42

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	40.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	8.00	10.2	HHDT,MHDT
Demolition	Hauling	60.0	40.4	HHDT
Demolition	Onsite truck	68.0	0.07	HHDT
Grading Building 1-3	—	—	—	—
Grading Building 1-3	Worker	60.0	18.5	LDA,LDT1,LDT2
Grading Building 1-3	Vendor	8.00	10.2	HHDT,MHDT
Grading Building 1-3	Hauling	120	40.4	HHDT
Grading Building 1-3	Onsite truck	128	0.07	HHDT

Podium Building 1	—	—	—	—
Podium Building 1	Worker	75.0	18.5	LDA,LDT1,LDT2
Podium Building 1	Vendor	140	10.2	HHDT,MHDT
Podium Building 1	Hauling	0.00	20.0	HHDT
Podium Building 1	Onsite truck	140	0.02	HHDT
Podium Building 2	—	—	—	—
Podium Building 2	Worker	75.0	18.5	LDA,LDT1,LDT2
Podium Building 2	Vendor	140	10.2	HHDT,MHDT
Podium Building 2	Hauling	0.00	20.0	HHDT
Podium Building 2	Onsite truck	140	0.02	HHDT
Podium Building 3	—	—	—	—
Podium Building 3	Worker	75.0	18.5	LDA,LDT1,LDT2
Podium Building 3	Vendor	140	10.2	HHDT,MHDT
Podium Building 3	Hauling	0.00	20.0	HHDT
Podium Building 3	Onsite truck	140	0.02	HHDT
Building Construction 1	—	—	—	—
Building Construction 1	Worker	225	18.5	LDA,LDT1,LDT2
Building Construction 1	Vendor	140	10.2	HHDT,MHDT
Building Construction 1	Hauling	0.00	20.0	HHDT
Building Construction 1	Onsite truck	140	0.02	HHDT
Building Construction 2	—	—	—	—
Building Construction 2	Worker	225	18.5	LDA,LDT1,LDT2
Building Construction 2	Vendor	140	10.2	HHDT,MHDT
Building Construction 2	Hauling	0.00	20.0	HHDT
Building Construction 2	Onsite truck	140	0.02	HHDT
Building Construction 3	—	—	—	—
Building Construction 3	Worker	225	18.5	LDA,LDT1,LDT2

Building Construction 3	Vendor	140	10.2	HHDT,MHDT
Building Construction 3	Hauling	0.00	20.0	HHDT
Building Construction 3	Onsite truck	140	0.02	HHDT
Paving	—	—	—	—
Paving	Worker	70.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	48.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	48.0	0.02	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	10.0	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	48.0	0.02	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	40.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	8.00	10.2	HHDT,MHDT
Demolition	Hauling	60.0	40.4	HHDT
Demolition	Onsite truck	68.0	0.07	HHDT
Grading Building 1-3	—	—	—	—
Grading Building 1-3	Worker	60.0	18.5	LDA,LDT1,LDT2
Grading Building 1-3	Vendor	8.00	10.2	HHDT,MHDT
Grading Building 1-3	Hauling	120	40.4	HHDT
Grading Building 1-3	Onsite truck	128	0.07	HHDT
Podium Building 1	—	—	—	—

Podium Building 1	Worker	75.0	18.5	LDA,LDT1,LDT2
Podium Building 1	Vendor	140	10.2	HHDT,MHDT
Podium Building 1	Hauling	0.00	20.0	HHDT
Podium Building 1	Onsite truck	140	0.02	HHDT
Podium Building 2	—	—	—	—
Podium Building 2	Worker	75.0	18.5	LDA,LDT1,LDT2
Podium Building 2	Vendor	140	10.2	HHDT,MHDT
Podium Building 2	Hauling	0.00	20.0	HHDT
Podium Building 2	Onsite truck	140	0.02	HHDT
Podium Building 3	—	—	—	—
Podium Building 3	Worker	75.0	18.5	LDA,LDT1,LDT2
Podium Building 3	Vendor	140	10.2	HHDT,MHDT
Podium Building 3	Hauling	0.00	20.0	HHDT
Podium Building 3	Onsite truck	140	0.02	HHDT
Building Construction 1	—	—	—	—
Building Construction 1	Worker	225	18.5	LDA,LDT1,LDT2
Building Construction 1	Vendor	140	10.2	HHDT,MHDT
Building Construction 1	Hauling	0.00	20.0	HHDT
Building Construction 1	Onsite truck	140	0.02	HHDT
Building Construction 2	—	—	—	—
Building Construction 2	Worker	225	18.5	LDA,LDT1,LDT2
Building Construction 2	Vendor	140	10.2	HHDT,MHDT
Building Construction 2	Hauling	0.00	20.0	HHDT
Building Construction 2	Onsite truck	140	0.02	HHDT
Building Construction 3	—	—	—	—
Building Construction 3	Worker	225	18.5	LDA,LDT1,LDT2
Building Construction 3	Vendor	140	10.2	HHDT,MHDT

Building Construction 3	Hauling	0.00	20.0	HHDT
Building Construction 3	Onsite truck	140	0.02	HHDT
Paving	—	—	—	—
Paving	Worker	70.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	48.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	48.0	0.02	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	10.0	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	48.0	0.02	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	1,310,234	436,745	40,950	13,650	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	242,781	—
Grading Building 1-3	—	241,800	285	0.00	—
Paving	0.00	0.00	0.00	0.00	0.00

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Enclosed Parking with Elevator	0.00	100%
High Turnover (Sit Down Restaurant)	0.00	0%
Apartments Mid Rise	—	0%
Strip Mall	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
2023	1,905	522	0.05	0.01
2024	3,810	522	0.05	0.01
2025	1,905	522	0.05	0.01
2026	1,270	522	0.05	0.01

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	4,974	5,140	4,395	1,793,975	37,356	38,601	33,006	13,473,036

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	4,974	5,140	4,395	1,793,975	37,356	38,601	33,006	13,473,036

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	4
Electric Fireplaces	0
No Fireplaces	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0

Gas Fireplaces	0
Propane Fireplaces	4
Electric Fireplaces	0
No Fireplaces	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
1310233.7249999999	436,745	40,950	13,650	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Enclosed Parking with Elevator	1,796,989	455	0.0489	0.0069	0.00

High Turnover (Sit Down Restaurant)	700,628	455	0.0489	0.0069	958,230
Apartments Mid Rise	4,125,327	455	0.0489	0.0069	0.00
Strip Mall	195,379	455	0.0489	0.0069	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Enclosed Parking with Elevator	1,796,989	455	0.0489	0.0069	0.00
High Turnover (Sit Down Restaurant)	700,628	455	0.0489	0.0069	958,230
Apartments Mid Rise	4,125,327	455	0.0489	0.0069	0.00
Strip Mall	195,379	455	0.0489	0.0069	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Enclosed Parking with Elevator	0.00	0.00
High Turnover (Sit Down Restaurant)	4,143,235	0.00
Apartments Mid Rise	24,526,160	1,202,881
Strip Mall	1,011,090	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Enclosed Parking with Elevator	0.00	0.00
High Turnover (Sit Down Restaurant)	3,314,588	0.00

Apartments Mid Rise	19,620,928	962,305
Strip Mall	808,872	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Enclosed Parking with Elevator	0.00	0.00
High Turnover (Sit Down Restaurant)	162	0.00
Apartments Mid Rise	164	0.00
Strip Mall	14.3	0.00

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Enclosed Parking with Elevator	0.00	0.00
High Turnover (Sit Down Restaurant)	38.3	0.00
Apartments Mid Rise	38.8	0.00
Strip Mall	3.38	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0

High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Served
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
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5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	3.00	0.33	200	600	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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5.17. User Defined

Equipment Type	Fuel Type
—	—

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	8.06	annual days of extreme heat
Extreme Precipitation	4.50	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	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 ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. 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 (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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 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	40.0

AQ-PM	64.7
AQ-DPM	79.1
Drinking Water	71.7
Lead Risk Housing	21.1
Pesticides	0.00
Toxic Releases	80.8
Traffic	77.7
Effect Indicators	—
CleanUp Sites	74.4
Groundwater	86.2
Haz Waste Facilities/Generators	56.4
Impaired Water Bodies	99.6
Solid Waste	55.5
Sensitive Population	—
Asthma	13.1
Cardio-vascular	14.8
Low Birth Weights	54.8
Socioeconomic Factor Indicators	—
Education	18.8
Housing	78.1
Linguistic	41.4
Poverty	38.1
Unemployment	9.72

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
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Economic	—
Above Poverty	66.23893238
Employed	55.84498909
Median HI	76.76119595
Education	—
Bachelor's or higher	91.36404466
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	86.34672142
Active commuting	50.8020018
Social	—
2-parent households	9.80366996
Voting	64.49377647
Neighborhood	—
Alcohol availability	47.37585012
Park access	81.35506224
Retail density	58.1675863
Supermarket access	76.08109842
Tree canopy	50.8020018
Housing	—
Homeownership	50.58385731
Housing habitability	74.43859874
Low-inc homeowner severe housing cost burden	32.50352881
Low-inc renter severe housing cost burden	79.13512126
Uncrowded housing	92.9038881
Health Outcomes	—

Insured adults	81.30373412
Arthritis	17.5
Asthma ER Admissions	89.1
High Blood Pressure	15.4
Cancer (excluding skin)	6.6
Asthma	80.2
Coronary Heart Disease	17.4
Chronic Obstructive Pulmonary Disease	56.7
Diagnosed Diabetes	57.0
Life Expectancy at Birth	81.4
Cognitively Disabled	26.7
Physically Disabled	45.1
Heart Attack ER Admissions	91.5
Mental Health Not Good	87.0
Chronic Kidney Disease	45.1
Obesity	75.0
Pedestrian Injuries	48.4
Physical Health Not Good	70.2
Stroke	34.3
Health Risk Behaviors	—
Binge Drinking	71.2
Current Smoker	89.0
No Leisure Time for Physical Activity	82.1
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	61.9
Children	73.7

Elderly	6.3
English Speaking	52.1
Foreign-born	56.5
Outdoor Workers	98.2
Climate Change Adaptive Capacity	—
Impervious Surface Cover	12.3
Traffic Density	74.6
Traffic Access	64.6
Other Indices	—
Hardship	20.2
Other Decision Support	—
2016 Voting	64.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	49.0
Healthy Places Index Score for Project Location (b)	78.0
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
Characteristics: Utility Information	SB 100 for Year 2026
Land Use	Residential square footage consistent with Project Description 6.06 acre site
Construction: Construction Phases	See construction assumptions
Construction: Off-Road Equipment	see construction assumptions
Construction: Trips and VMT	see construction assumptions
Operations: Hearths	4 propane fire pits in common areas
Operations: Generators + Pumps EF	SCAQMD Rule 1470 Table 1 (Located at Sensitive Receptor (0.01 g PM/bhp-hr).
Characteristics: Project Details	South Coast Air Basin
Operations: Energy Use	see GHG parameters - adjustment for all electric ordinance less cooking for restaurant.
Construction: On-Road Fugitive Dust	Given Project site constraints (active construction zone and excavation across the site), it is conservatively assumed that haul trucks would be limited to approximately 15 mph on unpaved roads. Furthermore, much of the hauling activity for demolition would be on paved surfaces, but this analysis assumes 100% unpaved. In addition, all deliveries would be made to staging areas in which the surface would be stabilized. However, it was conservatively assumed that the surface would be water twice daily.
Construction: Dust From Material Movement	Compliance with SCAQMD Rule 403
Operations: Emergency Generators and Fire Pumps	Hours reflect SCAQMD Rule 1470 permitted hours.
Construction: Electricity	SB 100 for 2023

Paseo Marina - Project Option B (Year 2026) Detailed Report

Table of Contents

1. Basic Project Information
 - 1.1. Basic Project Information
 - 1.2. Land Use Types
 - 1.3. User-Selected Emission Reduction Measures by Emissions Sector
2. Emissions Summary
 - 2.1. Construction Emissions Compared Against Thresholds
 - 2.2. Construction Emissions by Year, Unmitigated
 - 2.3. Construction Emissions by Year, Mitigated
 - 2.4. Operations Emissions Compared Against Thresholds
 - 2.5. Operations Emissions by Sector, Unmitigated
 - 2.6. Operations Emissions by Sector, Mitigated
3. Construction Emissions Details
 - 3.1. Demolition (2023) - Unmitigated
 - 3.2. Demolition (2023) - Mitigated

3.3. Grading (2023) - Unmitigated

3.4. Grading (2023) - Mitigated

3.5. Grading (2024) - Unmitigated

3.6. Grading (2024) - Mitigated

3.7. Building Construction (2023) - Unmitigated

3.8. Building Construction (2023) - Mitigated

3.9. Building Construction (2024) - Unmitigated

3.10. Building Construction (2024) - Mitigated

3.11. Building Construction (2023) - Unmitigated

3.12. Building Construction (2023) - Mitigated

3.13. Building Construction (2024) - Unmitigated

3.14. Building Construction (2024) - Mitigated

3.15. Building Construction (2024) - Unmitigated

3.16. Building Construction (2024) - Mitigated

3.17. Building Construction (2024) - Unmitigated

3.18. Building Construction (2024) - Mitigated

3.19. Building Construction (2025) - Unmitigated

- 3.20. Building Construction (2025) - Mitigated
- 3.21. Building Construction (2024) - Unmitigated
- 3.22. Building Construction (2024) - Mitigated
- 3.23. Building Construction (2025) - Unmitigated
- 3.24. Building Construction (2025) - Mitigated
- 3.25. Building Construction (2026) - Unmitigated
- 3.26. Building Construction (2026) - Mitigated
- 3.27. Building Construction (2025) - Unmitigated
- 3.28. Building Construction (2025) - Mitigated
- 3.29. Building Construction (2026) - Unmitigated
- 3.30. Building Construction (2026) - Mitigated
- 3.31. Paving (2025) - Unmitigated
- 3.32. Paving (2025) - Mitigated
- 3.33. Paving (2026) - Unmitigated
- 3.34. Paving (2026) - Mitigated
- 3.35. Architectural Coating (2025) - Unmitigated
- 3.36. Architectural Coating (2025) - Mitigated

3.37. Architectural Coating (2026) - Unmitigated

3.38. Architectural Coating (2026) - Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.2. Unmitigated

4.3.1. Mitigated

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

4.4.1. Mitigated

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

4.5.1. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Paseo Marina - Project Option B (Year 2026)
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	8.20
Location	13450 Maxella Ave, Marina Del Rey, CA 90292, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4428
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas

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 Office Building	90.0	1000sqft	0.00	90,000	0.00	—	—	—
Enclosed Parking with Elevator	1,287	Space	0.00	514,800	0.00	—	—	—

High Turnover (Sit Down Restaurant)	20.0	1000sqft	0.00	20,000	0.00	—	—	—
Apartments Mid Rise	425	Dwelling Unit	6.06	428,994	109,745	—	957	—
Strip Mall	20.0	1000sqft	0.00	20,000	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Water	W-7	Adopt a Water Conservation Strategy
Waste	S-1/S-2	Implement Waste Reduction Plan

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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	21.8	128	165	0.39	3.94	22.7	26.6	3.65	4.73	8.38	57,833
Mit.	18.8	94.8	214	0.45	1.10	22.7	23.8	1.08	4.73	5.76	64,629
% Reduced	14%	26%	-30%	-17%	72%	—	11%	70%	—	31%	-12%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	24.7	107	115	0.31	3.43	15.6	19.0	3.18	3.14	6.31	43,968
Mit.	19.9	80.3	148	0.36	1.06	15.6	16.7	1.02	3.14	4.16	48,865
% Reduced	19%	25%	-29%	-15%	69%	—	12%	68%	—	34%	-11%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—

Unmit.	10.2	70.3	85.6	0.20	2.15	11.2	13.4	2.00	2.33	4.33	29,084
Mit.	8.06	52.6	112	0.24	0.59	11.2	11.8	0.58	2.33	2.91	32,873
% Reduced	21%	25%	-31%	-19%	72%	—	12%	71%	—	33%	-13%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.87	12.8	15.6	0.04	0.39	2.05	2.44	0.36	0.43	0.79	4,815
Mit.	1.47	9.59	20.5	0.04	0.11	2.05	2.15	0.11	0.43	0.53	5,442
% Reduced	21%	25%	-31%	-19%	72%	—	12%	71%	—	33%	-13%

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	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
2023	6.80	79.1	80.8	0.26	2.55	15.6	18.2	2.37	3.01	5.39	38,602
2024	13.4	128	165	0.39	3.94	22.7	26.6	3.65	4.73	8.38	57,833
2025	21.8	53.5	86.1	0.15	1.61	10.7	12.3	1.43	2.29	3.72	24,118
2026	20.9	49.3	75.6	0.14	1.57	7.12	8.70	1.41	1.53	2.94	19,345
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2023	9.82	107	110	0.31	3.43	15.6	19.0	3.18	3.14	6.31	43,968
2024	10.1	102	114	0.31	3.09	15.5	18.6	2.87	3.14	6.01	43,482
2025	24.7	79.3	115	0.21	2.56	12.4	14.9	2.29	2.66	4.95	31,016
2026	24.1	75.5	112	0.21	2.29	12.4	14.7	2.04	2.66	4.71	30,681
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2023	3.68	43.4	43.5	0.13	1.38	7.22	8.60	1.28	1.42	2.70	19,128
2024	7.36	70.3	85.6	0.20	2.15	11.2	13.4	2.00	2.33	4.33	29,084
2025	10.2	38.7	58.6	0.11	1.16	7.33	8.49	1.03	1.58	2.61	16,671
2026	7.56	19.2	28.3	0.05	0.60	2.81	3.41	0.54	0.60	1.14	7,453

Annual	—	—	—	—	—	—	—	—	—	—	—
2023	0.67	7.91	7.95	0.02	0.25	1.32	1.57	0.23	0.26	0.49	3,167
2024	1.34	12.8	15.6	0.04	0.39	2.05	2.44	0.36	0.43	0.79	4,815
2025	1.87	7.06	10.7	0.02	0.21	1.34	1.55	0.19	0.29	0.48	2,760
2026	1.38	3.50	5.17	0.01	0.11	0.51	0.62	0.10	0.11	0.21	1,234

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	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
2023	3.37	57.2	105	0.29	0.81	15.6	16.3	0.78	3.01	3.65	41,090
2024	6.99	94.8	214	0.45	1.10	22.7	23.8	1.08	4.73	5.76	64,629
2025	18.8	39.6	110	0.19	0.39	10.7	11.1	0.32	2.29	2.61	27,607
2026	17.9	33.0	95.3	0.16	0.37	7.12	7.49	0.32	1.53	1.85	21,848
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2023	4.82	80.3	145	0.36	1.06	15.6	16.7	1.02	3.14	4.16	48,865
2024	5.33	78.4	148	0.36	1.04	15.5	16.5	1.01	3.14	4.14	48,380
2025	19.9	54.0	146	0.25	0.57	12.4	12.9	0.48	2.66	3.14	35,264
2026	19.6	53.2	144	0.25	0.57	12.4	12.9	0.48	2.66	3.14	34,928
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2023	1.71	32.0	56.5	0.15	0.40	7.22	7.62	0.39	1.42	1.81	20,796
2024	3.82	52.6	112	0.24	0.59	11.2	11.8	0.58	2.33	2.91	32,873
2025	8.06	28.4	75.4	0.13	0.28	7.33	7.60	0.23	1.58	1.80	19,107
2026	6.40	13.0	36.0	0.06	0.14	2.81	2.95	0.12	0.60	0.73	8,439
Annual	—	—	—	—	—	—	—	—	—	—	—
2023	0.31	5.84	10.3	0.03	0.07	1.32	1.39	0.07	0.26	0.33	3,443

2024	0.70	9.59	20.5	0.04	0.11	2.05	2.15	0.11	0.43	0.53	5,442
2025	1.47	5.19	13.8	0.02	0.05	1.34	1.39	0.04	0.29	0.33	3,163
2026	1.17	2.38	6.57	0.01	0.03	0.51	0.54	0.02	0.11	0.13	1,397

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	39.9	15.0	205	0.36	0.33	12.6	12.9	0.33	2.23	2.56	49,653
Mit.	39.9	15.0	205	0.36	0.33	12.6	12.9	0.33	2.23	2.56	48,680
% Reduced	—	—	—	—	—	—	—	—	—	—	2%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	32.7	15.6	140	0.34	0.28	12.6	12.8	0.27	2.23	2.50	47,753
Mit.	32.7	15.6	140	0.34	0.28	12.6	12.8	0.27	2.23	2.50	46,781
% Reduced	—	—	—	—	—	—	—	—	—	—	2%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	37.8	16.2	178	0.34	0.32	12.1	12.4	0.31	2.15	2.46	47,656
Mit.	37.8	16.2	178	0.34	0.32	12.1	12.4	0.31	2.15	2.46	46,683
% Reduced	—	—	—	—	—	—	—	—	—	—	2%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.90	2.96	32.4	0.06	0.06	2.21	2.26	0.06	0.39	0.45	7,890
Mit.	6.90	2.96	32.4	0.06	0.06	2.21	2.26	0.06	0.39	0.45	7,729
% Reduced	—	—	—	—	—	—	—	—	—	—	2%

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	18.1	12.9	148	0.35	0.22	12.6	12.8	0.21	2.23	2.44	36,126
Area	19.8	0.67	52.3	< 0.005	0.06	—	0.06	0.07	—	0.07	381
Energy	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	10,341
Water	—	—	—	—	—	—	—	—	—	—	673
Waste	—	—	—	—	—	—	—	—	—	—	1,097
Refrig.	—	—	—	—	—	—	—	—	—	—	34.7
Stationary	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	39.9	15.0	205	0.36	0.33	12.6	12.9	0.33	2.23	2.56	49,653
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	17.7	14.1	135	0.33	0.22	12.6	12.8	0.21	2.23	2.44	34,412
Area	13.0	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Energy	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	10,341
Water	—	—	—	—	—	—	—	—	—	—	673
Waste	—	—	—	—	—	—	—	—	—	—	1,097
Refrig.	—	—	—	—	—	—	—	—	—	—	34.7
Stationary	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	32.7	15.6	140	0.34	0.28	12.6	12.8	0.27	2.23	2.50	47,753
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.9	13.7	133	0.32	0.21	12.1	12.3	0.20	2.15	2.35	33,527
Area	17.7	0.53	35.8	< 0.005	0.04	—	0.04	0.05	—	0.05	323
Energy	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	10,341
Water	—	—	—	—	—	—	—	—	—	—	673
Waste	—	—	—	—	—	—	—	—	—	—	1,097

Refrig.	—	—	—	—	—	—	—	—	—	—	—	34.7
Stationary	3.24	1.59	8.25	0.02	0.03	—	0.03	0.03	—	0.03	—	1,662
Total	37.8	16.2	178	0.34	0.32	12.1	12.4	0.31	2.15	2.46	—	47,656
Annual	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.08	2.50	24.3	0.06	0.04	2.21	2.25	0.04	0.39	0.43	—	5,551
Area	3.22	0.10	6.54	< 0.005	0.01	—	0.01	0.01	—	0.01	—	53.4
Energy	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	1,712
Water	—	—	—	—	—	—	—	—	—	—	—	111
Waste	—	—	—	—	—	—	—	—	—	—	—	182
Refrig.	—	—	—	—	—	—	—	—	—	—	—	5.74
Stationary	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	—	275
Total	6.90	2.96	32.4	0.06	0.06	2.21	2.26	0.06	0.39	0.45	—	7,890

2.6. Operations Emissions by Sector, Mitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	18.1	12.9	148	0.35	0.22	12.6	12.8	0.21	2.23	2.44	36,126
Area	19.8	0.67	52.3	< 0.005	0.06	—	0.06	0.07	—	0.07	381
Energy	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	10,341
Water	—	—	—	—	—	—	—	—	—	—	538
Waste	—	—	—	—	—	—	—	—	—	—	259
Refrig.	—	—	—	—	—	—	—	—	—	—	34.7
Stationary	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	39.9	15.0	205	0.36	0.33	12.6	12.9	0.33	2.23	2.56	48,680
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Mobile	17.7	14.1	135	0.33	0.22	12.6	12.8	0.21	2.23	2.44	34,412
Area	13.0	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Energy	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	10,341
Water	—	—	—	—	—	—	—	—	—	—	538
Waste	—	—	—	—	—	—	—	—	—	—	259
Refrig.	—	—	—	—	—	—	—	—	—	—	34.7
Stationary	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	32.7	15.6	140	0.34	0.28	12.6	12.8	0.27	2.23	2.50	46,781
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.9	13.7	133	0.32	0.21	12.1	12.3	0.20	2.15	2.35	33,527
Area	17.7	0.53	35.8	< 0.005	0.04	—	0.04	0.05	—	0.05	323
Energy	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	10,341
Water	—	—	—	—	—	—	—	—	—	—	538
Waste	—	—	—	—	—	—	—	—	—	—	259
Refrig.	—	—	—	—	—	—	—	—	—	—	34.7
Stationary	3.24	1.59	8.25	0.02	0.03	—	0.03	0.03	—	0.03	1,662
Total	37.8	16.2	178	0.34	0.32	12.1	12.4	0.31	2.15	2.46	46,683
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.08	2.50	24.3	0.06	0.04	2.21	2.25	0.04	0.39	0.43	5,551
Area	3.22	0.10	6.54	< 0.005	0.01	—	0.01	0.01	—	0.01	53.4
Energy	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	1,712
Water	—	—	—	—	—	—	—	—	—	—	89.1
Waste	—	—	—	—	—	—	—	—	—	—	42.9
Refrig.	—	—	—	—	—	—	—	—	—	—	5.74
Stationary	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275
Total	6.90	2.96	32.4	0.06	0.06	2.21	2.26	0.06	0.39	0.45	7,729

3. Construction Emissions Details

3.1. Demolition (2023) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.46	20.6	27.2	0.04	1.04	—	1.04	0.96	—	0.96	4,104
Demolition	—	—	—	—	—	1.83	1.83	—	0.28	0.28	—
Onsite truck	0.05	0.99	0.73	< 0.005	< 0.005	1.89	1.89	< 0.005	0.19	0.19	144
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.46	20.6	27.2	0.04	1.04	—	1.04	0.96	—	0.96	4,104
Demolition	—	—	—	—	—	1.83	1.83	—	0.28	0.28	—
Onsite truck	0.04	1.03	0.75	< 0.005	< 0.005	1.89	1.89	< 0.005	0.19	0.19	146
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.57	4.79	6.33	0.01	0.24	—	0.24	0.22	—	0.22	956
Demolition	—	—	—	—	—	0.43	0.43	—	0.06	0.06	—
Onsite truck	0.01	0.23	0.17	< 0.005	< 0.005	0.44	0.44	< 0.005	0.04	0.04	33.7
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.87	1.16	< 0.005	0.04	—	0.04	0.04	—	0.04	158
Demolition	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	5.58
Offsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.21	3.27	0.00	0.00	0.52	0.52	0.00	0.12	0.12	586
Vendor	0.01	0.32	0.16	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	273
Hauling	0.15	10.3	3.58	0.05	0.11	2.30	2.41	0.11	0.62	0.72	9,010
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.24	2.78	0.00	0.00	0.52	0.52	0.00	0.12	0.12	554
Vendor	0.01	0.33	0.16	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	273
Hauling	0.14	10.7	3.60	0.05	0.11	2.30	2.41	0.11	0.62	0.72	8,992
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.06	0.68	0.00	0.00	0.12	0.12	0.00	0.03	0.03	131
Vendor	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	63.6
Hauling	0.03	2.53	0.83	0.01	0.02	0.53	0.56	0.02	0.14	0.17	2,096
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.00	0.02	0.02	0.00	0.01	0.01	21.7
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	10.5
Hauling	0.01	0.46	0.15	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	347

3.2. Demolition (2023) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	11.3	34.2	0.05	0.12	—	0.12	0.11	—	0.11	4,879
Demolition	—	—	—	—	—	1.83	1.83	—	0.28	0.28	—
Onsite truck	0.05	0.99	0.73	< 0.005	< 0.005	1.89	1.89	< 0.005	0.19	0.19	144

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	11.3	34.2	0.05	0.12	—	0.12	0.11	—	0.11	4,879
Demolition	—	—	—	—	—	1.83	1.83	—	0.28	0.28	—
Onsite truck	0.04	1.03	0.75	< 0.005	< 0.005	1.89	1.89	< 0.005	0.19	0.19	146
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	2.62	7.96	0.01	0.03	—	0.03	0.03	—	0.03	1,136
Demolition	—	—	—	—	—	0.43	0.43	—	0.06	0.06	—
Onsite truck	0.01	0.23	0.17	< 0.005	< 0.005	0.44	0.44	< 0.005	0.04	0.04	33.7
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.48	1.45	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	188
Demolition	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	5.58
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.21	3.27	0.00	0.00	0.52	0.52	0.00	0.12	0.12	586
Vendor	0.01	0.32	0.16	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	273
Hauling	0.15	10.3	3.58	0.05	0.11	2.30	2.41	0.11	0.62	0.72	9,010
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.24	2.78	0.00	0.00	0.52	0.52	0.00	0.12	0.12	554
Vendor	0.01	0.33	0.16	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	273
Hauling	0.14	10.7	3.60	0.05	0.11	2.30	2.41	0.11	0.62	0.72	8,992
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.06	0.68	0.00	0.00	0.12	0.12	0.00	0.03	0.03	131
Vendor	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	63.6

Hauling	0.03	2.53	0.83	0.01	0.02	0.53	0.56	0.02	0.14	0.17	2,096
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.12	0.00	0.00	0.02	0.02	0.00	0.01	0.01	21.7
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	10.5
Hauling	0.01	0.46	0.15	< 0.005	< 0.005	0.10	0.10	< 0.005	0.03	0.03	347

3.3. Grading (2023) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.80	23.5	32.3	0.05	1.18	—	1.18	1.08	—	1.08	5,038
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.09	1.86	1.37	< 0.005	< 0.005	3.56	3.56	< 0.005	0.36	0.36	271
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.80	23.5	32.3	0.05	1.18	—	1.18	1.08	—	1.08	5,038
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.07	1.95	1.41	< 0.005	< 0.005	3.56	3.56	< 0.005	0.36	0.36	274
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.34	11.3	15.5	0.02	0.56	—	0.56	0.52	—	0.52	2,415

Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.04	0.91	0.66	< 0.005	< 0.005	1.70	1.71	< 0.005	0.17	0.17	131
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	2.06	2.82	< 0.005	0.10	—	0.10	0.09	—	0.09	400
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.01	0.17	0.12	< 0.005	< 0.005	0.31	0.31	< 0.005	0.03	0.03	21.6
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.31	4.90	0.00	0.00	0.78	0.78	0.00	0.18	0.18	880
Vendor	0.01	0.32	0.16	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	273
Hauling	0.29	20.6	7.15	0.11	0.21	4.60	4.81	0.21	1.23	1.44	18,019
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.37	4.16	0.00	0.00	0.78	0.78	0.00	0.18	0.18	831
Vendor	0.01	0.33	0.16	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	273
Hauling	0.28	21.4	7.19	0.11	0.21	4.60	4.81	0.21	1.23	1.44	17,984
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.18	2.09	0.00	0.00	0.37	0.37	0.00	0.09	0.09	405
Vendor	< 0.005	0.16	0.08	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	131
Hauling	0.14	10.4	3.44	0.05	0.10	2.20	2.30	0.10	0.59	0.69	8,629
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.38	0.00	0.00	0.07	0.07	0.00	0.02	0.02	67.0
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	21.7
Hauling	0.03	1.90	0.63	0.01	0.02	0.40	0.42	0.02	0.11	0.13	1,429

3.4. Grading (2023) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	10.5	46.9	0.07	0.20	—	0.20	0.19	—	0.19	6,752
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.09	1.86	1.37	< 0.005	< 0.005	3.56	3.56	< 0.005	0.36	0.36	271
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	10.5	46.9	0.07	0.20	—	0.20	0.19	—	0.19	6,752
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.07	1.95	1.41	< 0.005	< 0.005	3.56	3.56	< 0.005	0.36	0.36	274
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	5.01	22.5	0.03	0.10	—	0.10	0.09	—	0.09	3,237
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.04	0.91	0.66	< 0.005	< 0.005	1.70	1.71	< 0.005	0.17	0.17	131
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.91	4.10	0.01	0.02	—	0.02	0.02	—	0.02	536

Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.01	0.17	0.12	< 0.005	< 0.005	0.31	0.31	< 0.005	0.03	0.03	21.6
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.31	4.90	0.00	0.00	0.78	0.78	0.00	0.18	0.18	880
Vendor	0.01	0.32	0.16	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	273
Hauling	0.29	20.6	7.15	0.11	0.21	4.60	4.81	0.21	1.23	1.44	18,019
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.37	4.16	0.00	0.00	0.78	0.78	0.00	0.18	0.18	831
Vendor	0.01	0.33	0.16	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	273
Hauling	0.28	21.4	7.19	0.11	0.21	4.60	4.81	0.21	1.23	1.44	17,984
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.18	2.09	0.00	0.00	0.37	0.37	0.00	0.09	0.09	405
Vendor	< 0.005	0.16	0.08	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	131
Hauling	0.14	10.4	3.44	0.05	0.10	2.20	2.30	0.10	0.59	0.69	8,629
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.38	0.00	0.00	0.07	0.07	0.00	0.02	0.02	67.0
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	21.7
Hauling	0.03	1.90	0.63	0.01	0.02	0.40	0.42	0.02	0.11	0.13	1,429

3.5. Grading (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.62	21.9	32.2	0.05	1.04	—	1.04	0.96	—	0.96	5,035
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.08	1.84	1.36	< 0.005	< 0.005	3.56	3.56	< 0.005	0.36	0.36	267
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.62	21.9	32.2	0.05	1.04	—	1.04	0.96	—	0.96	5,035
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.07	1.93	1.41	< 0.005	< 0.005	3.56	3.56	< 0.005	0.36	0.36	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	7.92	11.6	0.02	0.38	—	0.38	0.35	—	0.35	1,823
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.03	0.68	0.50	< 0.005	< 0.005	1.29	1.29	< 0.005	0.13	0.13	97.0
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	1.45	2.12	< 0.005	0.07	—	0.07	0.06	—	0.06	302
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.01	0.12	0.09	< 0.005	< 0.005	0.23	0.23	< 0.005	0.02	0.02	16.1
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Worker	0.27	0.29	4.53	0.00	0.00	0.78	0.78	0.00	0.18	0.18	860
Vendor	0.01	0.30	0.15	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	270
Hauling	0.29	19.7	6.93	0.11	0.21	4.49	4.71	0.21	1.23	1.44	17,745
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.34	3.83	0.00	0.00	0.78	0.78	0.00	0.18	0.18	813
Vendor	0.01	0.32	0.15	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	269
Hauling	0.28	20.4	6.87	0.11	0.21	4.49	4.71	0.21	1.23	1.44	17,710
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.12	1.46	0.00	0.00	0.28	0.28	0.00	0.07	0.07	299
Vendor	< 0.005	0.12	0.05	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	97.5
Hauling	0.10	7.51	2.48	0.04	0.08	1.62	1.70	0.08	0.44	0.52	6,417
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.27	0.00	0.00	0.05	0.05	0.00	0.01	0.01	49.5
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	16.1
Hauling	0.02	1.37	0.45	0.01	0.01	0.30	0.31	0.01	0.08	0.10	1,062

3.6. Grading (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	10.4	46.9	0.07	0.20	—	0.20	0.19	—	0.19	6,750
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.08	1.84	1.36	< 0.005	< 0.005	3.56	3.56	< 0.005	0.36	0.36	267

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	10.4	46.9	0.07	0.20	—	0.20	0.19	—	0.19	6,750
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.07	1.93	1.41	< 0.005	< 0.005	3.56	3.56	< 0.005	0.36	0.36	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	3.78	17.0	0.02	0.07	—	0.07	0.07	—	0.07	2,444
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.03	0.68	0.50	< 0.005	< 0.005	1.29	1.29	< 0.005	0.13	0.13	97.0
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.69	3.10	< 0.005	0.01	—	0.01	0.01	—	0.01	405
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.01	0.12	0.09	< 0.005	< 0.005	0.23	0.23	< 0.005	0.02	0.02	16.1
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.29	4.53	0.00	0.00	0.78	0.78	0.00	0.18	0.18	860
Vendor	0.01	0.30	0.15	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	270
Hauling	0.29	19.7	6.93	0.11	0.21	4.49	4.71	0.21	1.23	1.44	17,745
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.34	3.83	0.00	0.00	0.78	0.78	0.00	0.18	0.18	813
Vendor	0.01	0.32	0.15	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	269

Hauling	0.28	20.4	6.87	0.11	0.21	4.49	4.71	0.21	1.23	1.44	17,710
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.12	1.46	0.00	0.00	0.28	0.28	0.00	0.07	0.07	299
Vendor	< 0.005	0.12	0.05	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	97.5
Hauling	0.10	7.51	2.48	0.04	0.08	1.62	1.70	0.08	0.44	0.52	6,417
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.27	0.00	0.00	0.05	0.05	0.00	0.01	0.01	49.5
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	16.1
Hauling	0.02	1.37	0.45	0.01	0.01	0.30	0.31	0.01	0.08	0.10	1,062

3.7. Building Construction (2023) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.70	22.6	23.7	0.04	1.03	—	1.03	0.94	—	0.94	3,857
Onsite truck	0.09	2.01	1.49	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	271
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.70	22.6	23.7	0.04	1.03	—	1.03	0.94	—	0.94	3,857
Onsite truck	0.08	2.10	1.54	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	274
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	6.78	7.09	0.01	0.31	—	0.31	0.28	—	0.28	1,155
Onsite truck	0.03	0.61	0.45	< 0.005	< 0.005	0.33	0.33	< 0.005	0.03	0.03	81.5
Annual	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.15	1.24	1.29	< 0.005	0.06	—	0.06	0.05	—	0.05	191
Onsite truck	< 0.005	0.11	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.01	13.5
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.39	6.13	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,100
Vendor	0.17	5.58	2.81	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,784
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.46	5.20	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,038
Vendor	0.17	5.82	2.85	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,774
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.14	1.63	0.00	0.00	0.29	0.29	0.00	0.07	0.07	316
Vendor	0.05	1.75	0.84	0.01	0.02	0.36	0.38	0.02	0.10	0.12	1,431
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.30	0.00	0.00	0.05	0.05	0.00	0.01	0.01	52.3
Vendor	0.01	0.32	0.15	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	237
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2023) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.14	15.6	34.1	0.06	0.33	—	0.33	0.31	—	0.31	5,449
Onsite truck	0.09	2.01	1.49	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	271
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	15.6	34.1	0.06	0.33	—	0.33	0.31	—	0.31	5,449
Onsite truck	0.08	2.10	1.54	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	274
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	4.68	10.2	0.02	0.10	—	0.10	0.09	—	0.09	1,632
Onsite truck	0.03	0.61	0.45	< 0.005	< 0.005	0.33	0.33	< 0.005	0.03	0.03	81.5
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.85	1.86	< 0.005	0.02	—	0.02	0.02	—	0.02	270
Onsite truck	< 0.005	0.11	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.01	13.5
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.39	6.13	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,100
Vendor	0.17	5.58	2.81	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,784
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.46	5.20	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,038
Vendor	0.17	5.82	2.85	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,774
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.14	1.63	0.00	0.00	0.29	0.29	0.00	0.07	0.07	316
Vendor	0.05	1.75	0.84	0.01	0.02	0.36	0.38	0.02	0.10	0.12	1,431

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.30	0.00	0.00	0.05	0.05	0.00	0.01	0.01	52.3
Vendor	0.01	0.32	0.15	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	237
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.54	21.6	23.5	0.04	0.92	—	0.92	0.84	—	0.84	3,857
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	3.85	4.19	0.01	0.16	—	0.16	0.15	—	0.15	687
Onsite truck	0.02	0.36	0.27	< 0.005	< 0.005	0.20	0.20	< 0.005	0.02	0.02	47.7
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.70	0.76	< 0.005	0.03	—	0.03	0.03	—	0.03	114
Onsite truck	< 0.005	0.07	0.05	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	7.90
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Worker	0.33	0.42	4.78	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,016
Vendor	0.13	5.53	2.67	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,709
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.08	0.90	0.00	0.00	0.17	0.17	0.00	0.04	0.04	184
Vendor	0.02	1.00	0.47	0.01	0.01	0.21	0.22	0.01	0.06	0.07	839
Hauling	0.00	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	0.16	0.00	0.00	0.03	0.03	0.00	0.01	0.01	30.4
Vendor	< 0.005	0.18	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	139
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.11	15.5	34.0	0.06	0.31	—	0.31	0.29	—	0.29	5,449
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	2.75	6.06	0.01	0.06	—	0.06	0.05	—	0.05	970
Onsite truck	0.02	0.36	0.27	< 0.005	< 0.005	0.20	0.20	< 0.005	0.02	0.02	47.7
Annual	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.04	0.50	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	161
Onsite truck	< 0.005	0.07	0.05	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	7.90
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.42	4.78	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,016
Vendor	0.13	5.53	2.67	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,709
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.08	0.90	0.00	0.00	0.17	0.17	0.00	0.04	0.04	184
Vendor	0.02	1.00	0.47	0.01	0.01	0.21	0.22	0.01	0.06	0.07	839
Hauling	0.00	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	0.16	0.00	0.00	0.03	0.03	0.00	0.01	0.01	30.4
Vendor	< 0.005	0.18	0.09	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	139
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2023) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.47	20.5	21.5	0.04	0.88	—	0.88	0.81	—	0.81	3,535
Onsite truck	0.08	2.10	1.54	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	274
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	2.45	2.57	< 0.005	0.11	—	0.11	0.10	—	0.10	422
Onsite truck	0.01	0.24	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.01	0.01	32.5
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.45	0.47	< 0.005	0.02	—	0.02	0.02	—	0.02	69.9
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	5.38
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.46	5.20	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,038
Vendor	0.17	5.82	2.85	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,774
Hauling	0.00	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	0.05	0.65	0.00	0.00	0.12	0.12	0.00	0.03	0.03	126
Vendor	0.02	0.70	0.34	< 0.005	0.01	0.14	0.15	0.01	0.04	0.05	570
Hauling	0.00	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	< 0.005	< 0.005	20.9
Vendor	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	94.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2023) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	13.5	31.9	0.06	0.18	—	0.18	0.18	—	0.18	5,127
Onsite truck	0.08	2.10	1.54	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	274
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	1.61	3.81	0.01	0.02	—	0.02	0.02	—	0.02	612
Onsite truck	0.01	0.24	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.01	0.01	32.5
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.29	0.69	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	101
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	5.38
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.46	5.20	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,038
Vendor	0.17	5.82	2.85	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,774
Hauling	0.00	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	0.05	0.65	0.00	0.00	0.12	0.12	0.00	0.03	0.03	126
Vendor	0.02	0.70	0.34	< 0.005	0.01	0.14	0.15	0.01	0.04	0.05	570
Hauling	0.00	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	< 0.005	< 0.005	20.9
Vendor	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	94.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.33	19.7	21.3	0.04	0.79	—	0.79	0.73	—	0.73	3,535
Onsite truck	0.09	1.99	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.33	19.7	21.3	0.04	0.79	—	0.79	0.73	—	0.73	3,535
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	7.00	7.60	0.01	0.28	—	0.28	0.26	—	0.26	1,259
Onsite truck	0.03	0.72	0.54	< 0.005	< 0.005	0.40	0.40	< 0.005	0.04	0.04	95.4
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	1.28	1.39	< 0.005	0.05	—	0.05	0.05	—	0.05	208
Onsite truck	0.01	0.13	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	15.8
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Worker	0.34	0.36	5.66	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,075
Vendor	0.14	5.32	2.61	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,719
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.42	4.78	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,016
Vendor	0.13	5.53	2.67	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,709
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.15	1.79	0.00	0.00	0.35	0.35	0.00	0.08	0.08	368
Vendor	0.05	1.99	0.94	0.01	0.02	0.42	0.45	0.02	0.12	0.14	1,679
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.33	0.00	0.00	0.06	0.06	0.00	0.01	0.01	60.9
Vendor	0.01	0.36	0.17	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	278
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	13.5	31.9	0.06	0.18	—	0.18	0.18	—	0.18	5,127
Onsite truck	0.09	1.99	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.91	13.5	31.9	0.06	0.18	—	0.18	0.18	—	0.18	5,127
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	4.81	11.4	0.02	0.07	—	0.07	0.06	—	0.06	1,826
Onsite truck	0.03	0.72	0.54	< 0.005	< 0.005	0.40	0.40	< 0.005	0.04	0.04	95.4
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.88	2.07	< 0.005	0.01	—	0.01	0.01	—	0.01	302
Onsite truck	0.01	0.13	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	15.8
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.36	5.66	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,075
Vendor	0.14	5.32	2.61	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,719
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.42	4.78	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,016
Vendor	0.13	5.53	2.67	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,709
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.15	1.79	0.00	0.00	0.35	0.35	0.00	0.08	0.08	368
Vendor	0.05	1.99	0.94	0.01	0.02	0.42	0.45	0.02	0.12	0.14	1,679
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.33	0.00	0.00	0.06	0.06	0.00	0.01	0.01	60.9
Vendor	0.01	0.36	0.17	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	278

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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3.15. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.33	19.7	21.3	0.04	0.79	—	0.79	0.73	—	0.73	3,535
Onsite truck	0.09	1.99	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.33	19.7	21.3	0.04	0.79	—	0.79	0.73	—	0.73	3,535
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.10	9.26	10.1	0.02	0.37	—	0.37	0.34	—	0.34	1,666
Onsite truck	0.04	0.96	0.71	< 0.005	< 0.005	0.52	0.52	< 0.005	0.05	0.05	126
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	1.69	1.84	< 0.005	0.07	—	0.07	0.06	—	0.06	276
Onsite truck	0.01	0.17	0.13	< 0.005	< 0.005	0.10	0.10	< 0.005	0.01	0.01	20.9
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.36	5.66	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,075
Vendor	0.14	5.32	2.61	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,719
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.42	4.78	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,016
Vendor	0.13	5.53	2.67	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,709
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.20	2.37	0.00	0.00	0.46	0.46	0.00	0.11	0.11	487
Vendor	0.06	2.64	1.24	0.01	0.03	0.56	0.59	0.03	0.16	0.18	2,221
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.43	0.00	0.00	0.08	0.08	0.00	0.02	0.02	80.6
Vendor	0.01	0.48	0.23	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	368
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	13.5	31.9	0.06	0.18	—	0.18	0.18	—	0.18	5,127
Onsite truck	0.09	1.99	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	13.5	31.9	0.06	0.18	—	0.18	0.18	—	0.18	5,127
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.43	6.36	15.0	0.03	0.09	—	0.09	0.08	—	0.08	2,416
Onsite truck	0.04	0.96	0.71	< 0.005	< 0.005	0.52	0.52	< 0.005	0.05	0.05	126
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	1.16	2.74	< 0.005	0.02	—	0.02	0.02	—	0.02	400
Onsite truck	0.01	0.17	0.13	< 0.005	< 0.005	0.10	0.10	< 0.005	0.01	0.01	20.9
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.36	5.66	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,075
Vendor	0.14	5.32	2.61	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,719
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.42	4.78	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,016
Vendor	0.13	5.53	2.67	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,709
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.20	2.37	0.00	0.00	0.46	0.46	0.00	0.11	0.11	487
Vendor	0.06	2.64	1.24	0.01	0.03	0.56	0.59	0.03	0.16	0.18	2,221
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.43	0.00	0.00	0.08	0.08	0.00	0.02	0.02	80.6
Vendor	0.01	0.48	0.23	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	368
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.39	19.8	23.5	0.04	0.85	—	0.85	0.78	—	0.78	3,820
Onsite truck	0.09	1.99	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.39	19.8	23.5	0.04	0.85	—	0.85	0.78	—	0.78	3,820
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.29	10.6	12.6	0.02	0.46	—	0.46	0.42	—	0.42	2,056
Onsite truck	0.05	1.09	0.81	< 0.005	< 0.005	0.60	0.60	< 0.005	0.06	0.06	144
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	1.94	2.31	< 0.005	0.08	—	0.08	0.08	—	0.08	340
Onsite truck	0.01	0.20	0.15	< 0.005	< 0.005	0.11	0.11	< 0.005	0.01	0.01	23.9
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	1.01	1.08	17.0	0.00	0.00	2.94	2.94	0.00	0.69	0.69	3,224
Vendor	0.14	5.32	2.61	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,719
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.99	1.27	14.3	0.00	0.00	2.94	2.94	0.00	0.69	0.69	3,048
Vendor	0.13	5.53	2.67	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,709

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.53	0.68	8.12	0.00	0.00	1.57	1.57	0.00	0.37	0.37	1,667
Vendor	0.07	3.01	1.42	0.02	0.03	0.64	0.68	0.03	0.18	0.21	2,536
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.12	1.48	0.00	0.00	0.29	0.29	0.00	0.07	0.07	276
Vendor	0.01	0.55	0.26	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	420
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.18. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.09	1.99	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	6.20	19.0	0.03	0.07	—	0.07	0.07	—	0.07	2,994
Onsite truck	0.05	1.09	0.81	< 0.005	< 0.005	0.60	0.60	< 0.005	0.06	0.06	144
Annual	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.07	1.13	3.46	0.01	0.01	—	0.01	0.01	—	0.01	496
Onsite truck	0.01	0.20	0.15	< 0.005	< 0.005	0.11	0.11	< 0.005	0.01	0.01	23.9
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	1.01	1.08	17.0	0.00	0.00	2.94	2.94	0.00	0.69	0.69	3,224
Vendor	0.14	5.32	2.61	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,719
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.99	1.27	14.3	0.00	0.00	2.94	2.94	0.00	0.69	0.69	3,048
Vendor	0.13	5.53	2.67	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,709
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.53	0.68	8.12	0.00	0.00	1.57	1.57	0.00	0.37	0.37	1,667
Vendor	0.07	3.01	1.42	0.02	0.03	0.64	0.68	0.03	0.18	0.21	2,536
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.12	1.48	0.00	0.00	0.29	0.29	0.00	0.07	0.07	276
Vendor	0.01	0.55	0.26	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	420
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.23	18.5	23.3	0.04	0.74	—	0.74	0.68	—	0.68	3,819
Onsite truck	0.09	1.98	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	262
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.23	18.5	23.3	0.04	0.74	—	0.74	0.68	—	0.68	3,819
Onsite truck	0.08	2.07	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.33	11.0	13.9	0.02	0.44	—	0.44	0.41	—	0.41	2,272
Onsite truck	0.05	1.20	0.90	< 0.005	< 0.005	0.66	0.66	< 0.005	0.07	0.07	157
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	2.01	2.53	< 0.005	0.08	—	0.08	0.07	—	0.07	376
Onsite truck	0.01	0.22	0.16	< 0.005	< 0.005	0.12	0.12	< 0.005	0.01	0.01	26.0
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.96	0.97	15.7	0.00	0.00	2.94	2.94	0.00	0.69	0.69	3,157
Vendor	0.13	5.05	2.47	0.03	0.06	1.20	1.26	0.03	0.33	0.36	4,644
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.95	1.08	13.3	0.00	0.00	2.94	2.94	0.00	0.69	0.69	2,986
Vendor	0.13	5.26	2.50	0.03	0.06	1.20	1.26	0.03	0.33	0.36	4,634
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.57	0.69	8.29	0.00	0.00	1.74	1.74	0.00	0.41	0.41	1,804
Vendor	0.08	3.15	1.47	0.02	0.04	0.71	0.75	0.02	0.20	0.21	2,759

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.13	1.51	0.00	0.00	0.32	0.32	0.00	0.07	0.07	299
Vendor	0.01	0.58	0.27	< 0.005	0.01	0.13	0.14	< 0.005	0.04	0.04	457
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.20. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.09	1.98	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	262
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.08	2.07	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	6.86	21.0	0.03	0.08	—	0.08	0.08	—	0.08	3,310
Onsite truck	0.05	1.20	0.90	< 0.005	< 0.005	0.66	0.66	< 0.005	0.07	0.07	157
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	1.25	3.83	0.01	0.01	—	0.01	0.01	—	0.01	548
Onsite truck	0.01	0.22	0.16	< 0.005	< 0.005	0.12	0.12	< 0.005	0.01	0.01	26.0
Offsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.96	0.97	15.7	0.00	0.00	2.94	2.94	0.00	0.69	0.69	3,157
Vendor	0.13	5.05	2.47	0.03	0.06	1.20	1.26	0.03	0.33	0.36	4,644
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.95	1.08	13.3	0.00	0.00	2.94	2.94	0.00	0.69	0.69	2,986
Vendor	0.13	5.26	2.50	0.03	0.06	1.20	1.26	0.03	0.33	0.36	4,634
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.57	0.69	8.29	0.00	0.00	1.74	1.74	0.00	0.41	0.41	1,804
Vendor	0.08	3.15	1.47	0.02	0.04	0.71	0.75	0.02	0.20	0.21	2,759
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.13	1.51	0.00	0.00	0.32	0.32	0.00	0.07	0.07	299
Vendor	0.01	0.58	0.27	< 0.005	0.01	0.13	0.14	< 0.005	0.04	0.04	457
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.39	19.8	23.5	0.04	0.85	—	0.85	0.78	—	0.78	3,820
Onsite truck	0.09	1.99	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.39	19.8	23.5	0.04	0.85	—	0.85	0.78	—	0.78	3,820
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.86	7.11	8.45	0.01	0.31	—	0.31	0.28	—	0.28	1,375
Onsite truck	0.03	0.73	0.54	< 0.005	< 0.005	0.40	0.40	< 0.005	0.04	0.04	96.4
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.30	1.54	< 0.005	0.06	—	0.06	0.05	—	0.05	228
Onsite truck	0.01	0.13	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	16.0
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	1.01	1.08	17.0	0.00	0.00	2.94	2.94	0.00	0.69	0.69	3,224
Vendor	0.14	5.32	2.61	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,719
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.99	1.27	14.3	0.00	0.00	2.94	2.94	0.00	0.69	0.69	3,048
Vendor	0.13	5.53	2.67	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,709
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.36	0.46	5.43	0.00	0.00	1.05	1.05	0.00	0.25	0.25	1,115
Vendor	0.05	2.01	0.95	0.01	0.02	0.43	0.45	0.02	0.12	0.14	1,697
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.08	0.99	0.00	0.00	0.19	0.19	0.00	0.05	0.05	185

Vendor	0.01	0.37	0.17	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	281
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.22. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.09	1.99	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	4.15	12.7	0.02	0.05	—	0.05	0.05	—	0.05	2,004
Onsite truck	0.03	0.73	0.54	< 0.005	< 0.005	0.40	0.40	< 0.005	0.04	0.04	96.4
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.76	2.32	< 0.005	0.01	—	0.01	0.01	—	0.01	332
Onsite truck	0.01	0.13	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	16.0
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	1.01	1.08	17.0	0.00	0.00	2.94	2.94	0.00	0.69	0.69	3,224
Vendor	0.14	5.32	2.61	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,719

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.99	1.27	14.3	0.00	0.00	2.94	2.94	0.00	0.69	0.69	3,048
Vendor	0.13	5.53	2.67	0.03	0.06	1.20	1.26	0.06	0.33	0.39	4,709
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.36	0.46	5.43	0.00	0.00	1.05	1.05	0.00	0.25	0.25	1,115
Vendor	0.05	2.01	0.95	0.01	0.02	0.43	0.45	0.02	0.12	0.14	1,697
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.08	0.99	0.00	0.00	0.19	0.19	0.00	0.05	0.05	185
Vendor	0.01	0.37	0.17	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	281
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.23. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.23	18.5	23.3	0.04	0.74	—	0.74	0.68	—	0.68	3,819
Onsite truck	0.09	1.98	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	262
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.23	18.5	23.3	0.04	0.74	—	0.74	0.68	—	0.68	3,819
Onsite truck	0.08	2.07	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.59	13.2	16.7	0.03	0.53	—	0.53	0.49	—	0.49	2,728
Onsite truck	0.06	1.44	1.08	< 0.005	< 0.005	0.79	0.79	< 0.005	0.08	0.08	188
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	2.41	3.04	0.01	0.10	—	0.10	0.09	—	0.09	452
Onsite truck	0.01	0.26	0.20	< 0.005	< 0.005	0.14	0.14	< 0.005	0.01	0.01	31.2
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.96	0.97	15.7	0.00	0.00	2.94	2.94	0.00	0.69	0.69	3,157
Vendor	0.13	5.05	2.47	0.03	0.06	1.20	1.26	0.03	0.33	0.36	4,644
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.95	1.08	13.3	0.00	0.00	2.94	2.94	0.00	0.69	0.69	2,986
Vendor	0.13	5.26	2.50	0.03	0.06	1.20	1.26	0.03	0.33	0.36	4,634
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.68	0.83	9.96	0.00	0.00	2.09	2.09	0.00	0.49	0.49	2,166
Vendor	0.09	3.78	1.76	0.02	0.04	0.85	0.90	0.02	0.24	0.26	3,313
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.15	1.82	0.00	0.00	0.38	0.38	0.00	0.09	0.09	359
Vendor	0.02	0.69	0.32	< 0.005	0.01	0.16	0.16	< 0.005	0.04	0.05	548
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.24. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.09	1.98	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	262
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.08	2.07	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	8.23	25.2	0.04	0.09	—	0.09	0.09	—	0.09	3,974
Onsite truck	0.06	1.44	1.08	< 0.005	< 0.005	0.79	0.79	< 0.005	0.08	0.08	188
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	1.50	4.59	0.01	0.02	—	0.02	0.02	—	0.02	658
Onsite truck	0.01	0.26	0.20	< 0.005	< 0.005	0.14	0.14	< 0.005	0.01	0.01	31.2
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.96	0.97	15.7	0.00	0.00	2.94	2.94	0.00	0.69	0.69	3,157
Vendor	0.13	5.05	2.47	0.03	0.06	1.20	1.26	0.03	0.33	0.36	4,644
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Worker	0.95	1.08	13.3	0.00	0.00	2.94	2.94	0.00	0.69	0.69	2,986
Vendor	0.13	5.26	2.50	0.03	0.06	1.20	1.26	0.03	0.33	0.36	4,634
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.68	0.83	9.96	0.00	0.00	2.09	2.09	0.00	0.49	0.49	2,166
Vendor	0.09	3.78	1.76	0.02	0.04	0.85	0.90	0.02	0.24	0.26	3,313
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.15	1.82	0.00	0.00	0.38	0.38	0.00	0.09	0.09	359
Vendor	0.02	0.69	0.32	< 0.005	0.01	0.16	0.16	< 0.005	0.04	0.05	548
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.25. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.11	17.6	23.2	0.04	0.65	—	0.65	0.60	—	0.60	3,819
Onsite truck	0.08	2.05	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	262
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.07	1.41	< 0.005	0.04	—	0.04	0.04	—	0.04	232
Onsite truck	0.01	0.12	0.09	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	15.8
Annual	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.02	0.19	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	38.4
Onsite truck	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	2.61
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.82	0.98	12.4	0.00	0.00	2.94	2.94	0.00	0.69	0.69	2,925
Vendor	0.12	5.03	2.38	0.03	0.06	1.20	1.26	0.03	0.33	0.36	4,557
Hauling	0.00	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	0.06	0.79	0.00	0.00	0.18	0.18	0.00	0.04	0.04	180
Vendor	0.01	0.31	0.14	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	277
Hauling	0.00	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	0.14	0.00	0.00	0.03	0.03	0.00	0.01	0.01	29.9
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	45.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.26. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.08	2.05	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	262
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.70	2.14	< 0.005	0.01	—	0.01	0.01	—	0.01	338
Onsite truck	0.01	0.12	0.09	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	15.8
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.13	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	55.9
Onsite truck	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	2.61
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.82	0.98	12.4	0.00	0.00	2.94	2.94	0.00	0.69	0.69	2,925
Vendor	0.12	5.03	2.38	0.03	0.06	1.20	1.26	0.03	0.33	0.36	4,557
Hauling	0.00	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	0.06	0.79	0.00	0.00	0.18	0.18	0.00	0.04	0.04	180
Vendor	0.01	0.31	0.14	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	277
Hauling	0.00	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	0.14	0.00	0.00	0.03	0.03	0.00	0.01	0.01	29.9
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	45.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.27. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.23	18.5	23.3	0.04	0.74	—	0.74	0.68	—	0.68	3,819
Onsite truck	0.08	2.07	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	1.12	1.41	< 0.005	0.04	—	0.04	0.04	—	0.04	232
Onsite truck	0.01	0.12	0.09	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	16.0
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.20	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	38.4
Onsite truck	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	2.65
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.95	1.08	13.3	0.00	0.00	2.94	2.94	0.00	0.69	0.69	2,986
Vendor	0.13	5.26	2.50	0.03	0.06	1.20	1.26	0.03	0.33	0.36	4,634
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.07	0.85	0.00	0.00	0.18	0.18	0.00	0.04	0.04	184
Vendor	0.01	0.32	0.15	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	281
Hauling	0.00	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	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	30.5
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	46.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.28. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.08	2.07	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.70	2.14	< 0.005	0.01	—	0.01	0.01	—	0.01	338
Onsite truck	0.01	0.12	0.09	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	16.0
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.13	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	55.9
Onsite truck	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	2.65
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.95	1.08	13.3	0.00	0.00	2.94	2.94	0.00	0.69	0.69	2,986

Vendor	0.13	5.26	2.50	0.03	0.06	1.20	1.26	0.03	0.33	0.36	4,634
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.07	0.85	0.00	0.00	0.18	0.18	0.00	0.04	0.04	184
Vendor	0.01	0.32	0.15	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	281
Hauling	0.00	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	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	30.5
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	46.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.29. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.11	17.6	23.2	0.04	0.65	—	0.65	0.60	—	0.60	3,819
Onsite truck	0.09	1.95	1.49	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	258
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.11	17.6	23.2	0.04	0.65	—	0.65	0.60	—	0.60	3,819
Onsite truck	0.08	2.05	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	262
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	6.15	8.12	0.01	0.23	—	0.23	0.21	—	0.21	1,338
Onsite truck	0.03	0.70	0.53	< 0.005	< 0.005	0.39	0.39	< 0.005	0.04	0.04	91.1

Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.12	1.48	< 0.005	0.04	—	0.04	0.04	—	0.04	221
Onsite truck	0.01	0.13	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	15.1
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.83	0.87	14.5	0.00	0.00	2.94	2.94	0.00	0.69	0.69	3,094
Vendor	0.13	4.81	2.33	0.03	0.06	1.20	1.26	0.03	0.33	0.36	4,567
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.82	0.98	12.4	0.00	0.00	2.94	2.94	0.00	0.69	0.69	2,925
Vendor	0.12	5.03	2.38	0.03	0.06	1.20	1.26	0.03	0.33	0.36	4,557
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.37	4.55	0.00	0.00	1.02	1.02	0.00	0.24	0.24	1,041
Vendor	0.04	1.77	0.83	0.01	0.02	0.42	0.44	0.01	0.12	0.13	1,598
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.07	0.83	0.00	0.00	0.19	0.19	0.00	0.04	0.04	172
Vendor	0.01	0.32	0.15	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	265
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.30. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.09	1.95	1.49	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	258
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.08	2.05	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	262
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	4.04	12.3	0.02	0.05	—	0.05	0.04	—	0.04	1,949
Onsite truck	0.03	0.70	0.53	< 0.005	< 0.005	0.39	0.39	< 0.005	0.04	0.04	91.1
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.74	2.25	< 0.005	0.01	—	0.01	0.01	—	0.01	323
Onsite truck	0.01	0.13	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	15.1
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.83	0.87	14.5	0.00	0.00	2.94	2.94	0.00	0.69	0.69	3,094
Vendor	0.13	4.81	2.33	0.03	0.06	1.20	1.26	0.03	0.33	0.36	4,567
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.82	0.98	12.4	0.00	0.00	2.94	2.94	0.00	0.69	0.69	2,925
Vendor	0.12	5.03	2.38	0.03	0.06	1.20	1.26	0.03	0.33	0.36	4,557
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Worker	0.29	0.37	4.55	0.00	0.00	1.02	1.02	0.00	0.24	0.24	1,041
Vendor	0.04	1.77	0.83	0.01	0.02	0.42	0.44	0.01	0.12	0.13	1,598
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.07	0.83	0.00	0.00	0.19	0.19	0.00	0.04	0.04	172
Vendor	0.01	0.32	0.15	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	265
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.31. Paving (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.60	22.1	28.1	0.05	0.93	—	0.93	0.85	—	0.85	4,645
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.71	0.53	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	91.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.34	1.70	< 0.005	0.06	—	0.06	0.05	—	0.05	282
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	5.48
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.25	0.31	< 0.005	0.01	—	0.01	0.01	—	0.01	46.7
Paving	0.00	—	—	—	—	—	—	—	—	—	—

Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.91
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.34	4.13	0.00	0.00	0.91	0.91	0.00	0.21	0.21	929
Vendor	0.04	1.80	0.86	0.01	0.02	0.41	0.43	0.01	0.11	0.12	1,589
Hauling	0.00	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	0.26	0.00	0.00	0.06	0.06	0.00	0.01	0.01	57.2
Vendor	< 0.005	0.11	0.05	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	96.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	9.48
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	16.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.32. Paving (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.79	10.8	35.6	0.05	0.16	—	0.16	0.15	—	0.15	5,404
Paving	0.00	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.03	0.71	0.53	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	91.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.65	2.16	< 0.005	0.01	—	0.01	0.01	—	0.01	328
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	5.48
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.12	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	54.3
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.91
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.34	4.13	0.00	0.00	0.91	0.91	0.00	0.21	0.21	929
Vendor	0.04	1.80	0.86	0.01	0.02	0.41	0.43	0.01	0.11	0.12	1,589
Hauling	0.00	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	0.26	0.00	0.00	0.06	0.06	0.00	0.01	0.01	57.2
Vendor	< 0.005	0.11	0.05	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	96.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	9.48
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	16.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.33. 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.47	21.1	27.9	0.05	0.83	—	0.83	0.76	—	0.76	4,644
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.67	0.51	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	88.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.47	21.1	27.9	0.05	0.83	—	0.83	0.76	—	0.76	4,644
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.70	0.53	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	89.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	7.46	9.89	0.02	0.29	—	0.29	0.27	—	0.27	1,645
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.24	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.01	0.01	31.6
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.36	1.81	< 0.005	0.05	—	0.05	0.05	—	0.05	272
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	5.23
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Worker	0.26	0.27	4.52	0.00	0.00	0.91	0.91	0.00	0.21	0.21	962
Vendor	0.04	1.65	0.80	0.01	0.02	0.41	0.43	0.01	0.11	0.12	1,566
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.30	3.86	0.00	0.00	0.91	0.91	0.00	0.21	0.21	910
Vendor	0.04	1.73	0.82	0.01	0.02	0.41	0.43	0.01	0.11	0.12	1,563
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.12	1.43	0.00	0.00	0.32	0.32	0.00	0.08	0.08	328
Vendor	0.02	0.61	0.29	< 0.005	0.01	0.14	0.15	< 0.005	0.04	0.04	554
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.26	0.00	0.00	0.06	0.06	0.00	0.01	0.01	54.2
Vendor	< 0.005	0.11	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	91.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.34. 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.79	10.8	35.6	0.05	0.16	—	0.16	0.15	—	0.15	5,402
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.67	0.51	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	88.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.79	10.8	35.6	0.05	0.16	—	0.16	0.15	—	0.15	5,402
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.70	0.53	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	89.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	3.81	12.6	0.02	0.05	—	0.05	0.05	—	0.05	1,914
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.24	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.01	0.01	31.6
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.70	2.30	< 0.005	0.01	—	0.01	0.01	—	0.01	317
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	5.23
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.27	4.52	0.00	0.00	0.91	0.91	0.00	0.21	0.21	962
Vendor	0.04	1.65	0.80	0.01	0.02	0.41	0.43	0.01	0.11	0.12	1,566
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.30	3.86	0.00	0.00	0.91	0.91	0.00	0.21	0.21	910
Vendor	0.04	1.73	0.82	0.01	0.02	0.41	0.43	0.01	0.11	0.12	1,563
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.12	1.43	0.00	0.00	0.32	0.32	0.00	0.08	0.08	328
Vendor	0.02	0.61	0.29	< 0.005	0.01	0.14	0.15	< 0.005	0.04	0.04	554
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.26	0.00	0.00	0.06	0.06	0.00	0.01	0.01	54.2
Vendor	< 0.005	0.11	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	91.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.35. Architectural Coating (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	15.0	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.14	0.11	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	18.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	15.0	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.15	0.11	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	19.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.39	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.05	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	6.78
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.98	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	1.12
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	0.36	0.18	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	332
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	0.38	0.18	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	331
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	119
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	19.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.36. Architectural Coating (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	15.0	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.14	0.11	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	18.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	15.0	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.15	0.11	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	19.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.39	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.05	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	6.78
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.98	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	1.12
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	0.36	0.18	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	332
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	0.38	0.18	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	331
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	0.14	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	119
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	19.7

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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3.37. 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	15.0	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.14	0.11	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	18.5
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	15.0	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.15	0.11	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	18.7
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.27	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.05	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	6.54
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.96	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	1.08
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	0.34	0.17	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	326
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	0.36	0.17	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	326
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	115
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	19.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.38. 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	15.0	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.14	0.11	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	18.5
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	15.0	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.15	0.11	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	18.7
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	5.27	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.05	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	6.54
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.96	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	1.08
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	0.34	0.17	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	326
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	0.36	0.17	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	326
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	115
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	19.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	2,509
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	2,386
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1,289
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3,345
Strip Mall	—	—	—	—	—	—	—	—	—	—	359
Total	—	—	—	—	—	—	—	—	—	—	9,889
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	2,509

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	2,386
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1,289
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3,345
Strip Mall	—	—	—	—	—	—	—	—	—	—	359
Total	—	—	—	—	—	—	—	—	—	—	9,889
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	415
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	395
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	213
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	554
Strip Mall	—	—	—	—	—	—	—	—	—	—	59.5
Total	—	—	—	—	—	—	—	—	—	—	1,637

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	2,509

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	2,386
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1,289
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3,345
Strip Mall	—	—	—	—	—	—	—	—	—	—	359
Total	—	—	—	—	—	—	—	—	—	—	9,889
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	2,509
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	2,386
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1,289
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3,345
Strip Mall	—	—	—	—	—	—	—	—	—	—	359
Total	—	—	—	—	—	—	—	—	—	—	9,889
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	415
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	395
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	213

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	554
Strip Mall	—	—	—	—	—	—	—	—	—	—	59.5
Total	—	—	—	—	—	—	—	—	—	—	1,637

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	451
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	451
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	451

Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	451
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	74.7
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	74.7

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	451

Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	451
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	451
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	451
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	74.7
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	74.7

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.02	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Consumer Products	12.0	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.07	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	6.74	0.47	52.1	< 0.005	0.05	—	0.05	0.06	—	0.06	185
Total	19.8	0.67	52.3	< 0.005	0.06	—	0.06	0.07	—	0.07	381
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.02	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Consumer Products	12.0	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.07	—	—	—	—	—	—	—	—	—	—
Total	13.0	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Annual	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	0.04	0.02	0.00	< 0.005	—	< 0.005	< 0.005	—	< 0.005	32.4
Consumer Products	2.18	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.19	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.84	0.06	6.52	< 0.005	0.01	—	0.01	0.01	—	0.01	21.0

Total	3.22	0.10	6.54	< 0.005	0.01	—	0.01	0.01	—	0.01	53.4
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4.3.1. Mitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.02	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Consumer Products	12.0	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.07	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	6.74	0.47	52.1	< 0.005	0.05	—	0.05	0.06	—	0.06	185
Total	19.8	0.67	52.3	< 0.005	0.06	—	0.06	0.07	—	0.07	381
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.02	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Consumer Products	12.0	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.07	—	—	—	—	—	—	—	—	—	—
Total	13.0	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Annual	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	0.04	0.02	0.00	< 0.005	—	< 0.005	< 0.005	—	< 0.005	32.4
Consumer Products	2.18	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.19	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.84	0.06	6.52	< 0.005	0.01	—	0.01	0.01	—	0.01	21.0

Total	3.22	0.10	6.54	< 0.005	0.01	—	0.01	0.01	—	0.01	53.4
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4.4. Water Emissions by Land Use

4.4.2. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	268
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	102
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	278
Strip Mall	—	—	—	—	—	—	—	—	—	—	24.8
Total	—	—	—	—	—	—	—	—	—	—	673
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	268
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	102
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	278

Strip Mall	—	—	—	—	—	—	—	—	—	—	24.8
Total	—	—	—	—	—	—	—	—	—	—	673
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	44.4
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	16.9
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	46.0
Strip Mall	—	—	—	—	—	—	—	—	—	—	4.11
Total	—	—	—	—	—	—	—	—	—	—	111

4.4.1. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	215
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	81.4
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	223
Strip Mall	—	—	—	—	—	—	—	—	—	—	19.9

Total	—	—	—	—	—	—	—	—	—	—	538
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	215
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	81.4
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	223
Strip Mall	—	—	—	—	—	—	—	—	—	—	19.9
Total	—	—	—	—	—	—	—	—	—	—	538
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	35.5
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	13.5
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	36.8
Strip Mall	—	—	—	—	—	—	—	—	—	—	3.29
Total	—	—	—	—	—	—	—	—	—	—	89.1

4.5. Waste Emissions by Land Use

4.5.2. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	158
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	449
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	451
Strip Mall	—	—	—	—	—	—	—	—	—	—	39.6
Total	—	—	—	—	—	—	—	—	—	—	1,097
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	158
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	449
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	451
Strip Mall	—	—	—	—	—	—	—	—	—	—	39.6
Total	—	—	—	—	—	—	—	—	—	—	1,097
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	26.1

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	74.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	74.6
Strip Mall	—	—	—	—	—	—	—	—	—	—	6.56
Total	—	—	—	—	—	—	—	—	—	—	182

4.5.1. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	37.2
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	106
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	106
Strip Mall	—	—	—	—	—	—	—	—	—	—	9.34
Total	—	—	—	—	—	—	—	—	—	—	259
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	37.2

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	106
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	106
Strip Mall	—	—	—	—	—	—	—	—	—	—	9.34
Total	—	—	—	—	—	—	—	—	—	—	259
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	6.17
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	17.5
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	17.6
Strip Mall	—	—	—	—	—	—	—	—	—	—	1.55
Total	—	—	—	—	—	—	—	—	—	—	42.9

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

General Office Building	—	—	—	—	—	—	—	—	—	—	0.22
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	31.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3.07
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.12
Total	—	—	—	—	—	—	—	—	—	—	34.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.22
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	31.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3.07
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.12
Total	—	—	—	—	—	—	—	—	—	—	34.7
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.04
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	5.18
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.51
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.02
Total	—	—	—	—	—	—	—	—	—	—	5.74

4.6.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.22
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	31.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3.07
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.12
Total	—	—	—	—	—	—	—	—	—	—	34.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.22
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	31.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3.07
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.12
Total	—	—	—	—	—	—	—	—	—	—	34.7
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.04
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	5.18
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.51
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.02

Total	—	—	—	—	—	—	—	—	—	—	5.74
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4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Annual	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275
Total	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275

4.8.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Annual	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275
Total	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

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	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	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	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	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	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	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	2/1/2023	5/30/2023	5.00	85.0	—
Grading	Grading	5/1/2023	7/3/2024	5.00	308	—
Podium Building 3	Building Construction	8/1/2023	3/31/2024	5.00	174	—
Podium Building 1	Building Construction	11/1/2023	6/30/2024	5.00	173	—
Podium Building 2	Building Construction	5/4/2024	12/31/2024	5.00	172	—
Building Construction 3	Building Construction	4/1/2024	10/31/2025	5.00	415	—
Building Construction 1	Building Construction	7/1/2024	1/31/2026	5.00	415	—
Building Construction 2	Building Construction	12/1/2025	6/28/2026	5.00	150	—
Paving	Paving	12/1/2025	6/30/2026	5.00	152	—
Architectural Coating	Architectural Coating	7/1/2025	6/29/2026	5.00	260	—

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	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73

Demolition	Excavators	Diesel	Average	2.00	8.00	158	0.38
Demolition	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Grading	Excavators	Diesel	Average	2.00	8.00	158	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Podium Building 3	Cranes	Diesel	Average	1.00	8.00	367	0.29
Podium Building 3	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Podium Building 1	Cranes	Diesel	Average	1.00	8.00	367	0.29
Podium Building 1	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20
Podium Building 2	Cranes	Diesel	Average	1.00	8.00	367	0.29
Podium Building 2	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20
Podium Building 2	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Building Construction 3	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction 3	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction 3	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Building Construction 1	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction 1	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction 1	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Building Construction 2	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction 2	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction 2	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Demolition	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Demolition	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Demolition	Other Construction Equipment	Diesel	Average	3.00	8.00	82.0	0.42

Demolition	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Demolition	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Grading	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Grading	Cranes	Electric	Average	1.00	8.00	367	0.29
Grading	Other Construction Equipment	Diesel	Average	2.00	8.00	82.0	0.42
Grading	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Grading	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Bore/Drill Rigs	Diesel	Average	2.00	8.00	83.0	0.50
Grading	Rubber Tired Loaders	Diesel	Average	2.00	8.00	150	0.36
Grading	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Grading	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Grading	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Podium Building 3	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20
Podium Building 3	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Podium Building 3	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Podium Building 3	Concrete/Industrial Saws	Diesel	Average	3.00	8.00	33.0	0.73
Podium Building 3	Other Construction Equipment	Diesel	Average	2.00	8.00	82.0	0.42
Podium Building 3	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Podium Building 3	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Podium Building 3	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Podium Building 3	Cranes	Electric	Average	1.00	8.00	367	0.29
Podium Building 1	Cranes	Electric	Average	1.00	8.00	367	0.29
Podium Building 1	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48

Podium Building 1	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Podium Building 1	Concrete/Industrial Saws	Diesel	Average	3.00	8.00	33.0	0.73
Podium Building 1	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Podium Building 1	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Podium Building 1	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Podium Building 1	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Podium Building 1	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Podium Building 2	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Podium Building 2	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Podium Building 2	Concrete/Industrial Saws	Diesel	Average	3.00	8.00	33.0	0.73
Podium Building 2	Cranes	Electric	Average	1.00	8.00	367	0.29
Podium Building 2	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Podium Building 2	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Podium Building 2	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Podium Building 2	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Building Construction 3	Air Compressors	Diesel	Average	3.00	8.00	37.0	0.48
Building Construction 3	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Building Construction 3	Cranes	Electric	Average	1.00	8.00	367	0.29
Building Construction 3	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Building Construction 3	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Building Construction 3	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Building Construction 3	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37

Building Construction 1	Cranes	Electric	Average	1.00	8.00	367	0.29
Building Construction 1	Air Compressors	Diesel	Average	3.00	8.00	37.0	0.48
Building Construction 1	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Building Construction 1	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Building Construction 1	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Building Construction 1	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Building Construction 1	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Building Construction 2	Air Compressors	Diesel	Average	3.00	8.00	37.0	0.48
Building Construction 2	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Building Construction 2	Cranes	Electric	Average	1.00	8.00	367	0.29
Building Construction 2	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Building Construction 2	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Building Construction 2	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Building Construction 2	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Paving	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Paving	Cement and Mortar Mixers	Diesel	Average	2.00	8.00	10.0	0.56
Paving	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Paving	Cranes	Diesel	Average	1.00	8.00	367	0.29
Paving	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20
Paving	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Paving	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Paving	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Paving	Signal Boards	Diesel	Average	2.00	2.00	6.00	0.82

Paving	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50
Paving	Welders	Diesel	Average	1.00	8.00	46.0	0.45

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	2.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Podium Building 3	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Podium Building 3	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Podium Building 3	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Final	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
Podium Building 1	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Podium Building 1	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Podium Building 1	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Podium Building 2	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Podium Building 2	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Podium Building 2	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Construction 3	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction 3	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20

Building Construction 3	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Construction 1	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction 1	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction 1	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Construction 2	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction 2	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction 2	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	2.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Tier 4 Final	2.00	8.00	158	0.38
Demolition	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	158	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Podium Building 3	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Podium Building 3	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Podium Building 1	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Podium Building 1	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Podium Building 2	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Podium Building 2	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Podium Building 2	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Construction 3	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Building Construction 3	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction 3	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Construction 1	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Building Construction 1	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction 1	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Construction 2	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29

Building Construction 2	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction 2	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Final	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
Demolition	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	8.00	150	0.36
Grading	Bore/Drill Rigs	Diesel	Tier 4 Final	2.00	8.00	148	0.41
Demolition	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Demolition	Other Construction Equipment	Diesel	Tier 4 Final	3.00	8.00	82.0	0.42
Demolition	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Demolition	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
Grading	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Grading	Cranes	Electric	Average	1.00	8.00	367	0.29
Grading	Other Construction Equipment	Diesel	Tier 4 Final	2.00	8.00	82.0	0.42
Grading	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Grading	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading	Bore/Drill Rigs	Diesel	Tier 4 Final	2.00	8.00	83.0	0.50
Grading	Rubber Tired Loaders	Diesel	Tier 4 Final	2.00	8.00	150	0.36
Grading	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Grading	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Grading	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Podium Building 3	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Podium Building 3	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48

Podium Building 3	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Podium Building 3	Concrete/Industrial Saws	Diesel	Tier 4 Final	3.00	8.00	33.0	0.73
Podium Building 3	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Podium Building 3	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Podium Building 3	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Podium Building 3	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Podium Building 3	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Podium Building 3	Cranes	Electric	Tier 4 Final	1.00	8.00	367	0.29
Podium Building 1	Cranes	Electric	Tier 4 Final	1.00	8.00	367	0.29
Podium Building 1	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Podium Building 1	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Podium Building 1	Concrete/Industrial Saws	Diesel	Tier 4 Final	3.00	8.00	33.0	0.73
Podium Building 1	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Podium Building 1	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Podium Building 1	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Podium Building 1	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Podium Building 1	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Podium Building 2	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Podium Building 2	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Podium Building 2	Concrete/Industrial Saws	Diesel	Tier 4 Final	3.00	8.00	33.0	0.73
Podium Building 2	Cranes	Electric	Tier 4 Final	1.00	8.00	367	0.29

Podium Building 2	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Podium Building 2	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Podium Building 2	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Podium Building 2	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Building Construction 3	Air Compressors	Diesel	Tier 4 Final	3.00	8.00	37.0	0.48
Building Construction 3	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
Building Construction 3	Cranes	Electric	Tier 4 Final	1.00	8.00	367	0.29
Building Construction 3	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Building Construction 3	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	8.00	150	0.36
Building Construction 3	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Building Construction 3	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Building Construction 1	Cranes	Electric	Tier 4 Final	1.00	8.00	367	0.29
Building Construction 1	Air Compressors	Diesel	Tier 4 Final	3.00	8.00	37.0	0.48
Building Construction 1	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
Building Construction 1	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Building Construction 1	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	8.00	150	0.36
Building Construction 1	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Building Construction 1	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Building Construction 2	Air Compressors	Diesel	Tier 4 Final	3.00	8.00	37.0	0.48
Building Construction 2	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
Building Construction 2	Cranes	Electric	Tier 4 Final	1.00	8.00	367	0.29
Building Construction 2	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Building Construction 2	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	8.00	150	0.36

Building Construction 2	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Building Construction 2	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Paving	Air Compressors	Diesel	Tier 4 Final	2.00	8.00	37.0	0.48
Paving	Cement and Mortar Mixers	Diesel	Average	2.00	8.00	10.0	0.56
Paving	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
Paving	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Paving	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Paving	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Paving	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Paving	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	8.00	150	0.36
Paving	Signal Boards	Diesel	Average	2.00	2.00	6.00	0.82
Paving	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Paving	Trenchers	Diesel	Tier 4 Final	1.00	8.00	40.0	0.50
Paving	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45

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	40.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	8.00	10.2	HHDT,MHDT
Demolition	Hauling	60.0	40.4	HHDT
Demolition	Onsite truck	68.0	0.07	HHDT

Grading	—	—	—	—
Grading	Worker	60.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	8.00	10.2	HHDT,MHDT
Grading	Hauling	120	40.4	HHDT
Grading	Onsite truck	128	0.07	HHDT
Podium Building 3	—	—	—	—
Podium Building 3	Worker	75.0	18.5	LDA,LDT1,LDT2
Podium Building 3	Vendor	140	10.2	HHDT,MHDT
Podium Building 3	Hauling	0.00	20.0	HHDT
Podium Building 3	Onsite truck	140	0.02	HHDT
Paving	—	—	—	—
Paving	Worker	70.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	48.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	48.0	0.02	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	10.0	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	10.0	0.02	HHDT
Podium Building 1	—	—	—	—
Podium Building 1	Worker	75.0	18.5	LDA,LDT1,LDT2
Podium Building 1	Vendor	140	10.2	HHDT,MHDT
Podium Building 1	Hauling	0.00	20.0	HHDT
Podium Building 1	Onsite truck	140	0.02	HHDT
Podium Building 2	—	—	—	—
Podium Building 2	Worker	75.0	18.5	LDA,LDT1,LDT2

Podium Building 2	Vendor	140	10.2	HHDT,MHDT
Podium Building 2	Hauling	0.00	20.0	HHDT
Podium Building 2	Onsite truck	140	0.02	HHDT
Building Construction 3	—	—	—	—
Building Construction 3	Worker	225	18.5	LDA,LDT1,LDT2
Building Construction 3	Vendor	140	10.2	HHDT,MHDT
Building Construction 3	Hauling	0.00	20.0	HHDT
Building Construction 3	Onsite truck	140	0.02	HHDT
Building Construction 1	—	—	—	—
Building Construction 1	Worker	225	18.5	LDA,LDT1,LDT2
Building Construction 1	Vendor	140	10.2	HHDT,MHDT
Building Construction 1	Hauling	0.00	20.0	HHDT
Building Construction 1	Onsite truck	140	0.02	HHDT
Building Construction 2	—	—	—	—
Building Construction 2	Worker	225	18.5	LDA,LDT1,LDT2
Building Construction 2	Vendor	140	10.2	HHDT,MHDT
Building Construction 2	Hauling	0.00	20.0	HHDT
Building Construction 2	Onsite truck	140	0.02	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	40.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	8.00	10.2	HHDT,MHDT
Demolition	Hauling	60.0	40.4	HHDT
Demolition	Onsite truck	68.0	0.07	HHDT
Grading	—	—	—	—

Grading	Worker	60.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	8.00	10.2	HHDT,MHDT
Grading	Hauling	120	40.4	HHDT
Grading	Onsite truck	128	0.07	HHDT
Podium Building 3	—	—	—	—
Podium Building 3	Worker	75.0	18.5	LDA,LDT1,LDT2
Podium Building 3	Vendor	140	10.2	HHDT,MHDT
Podium Building 3	Hauling	0.00	20.0	HHDT
Podium Building 3	Onsite truck	140	0.02	HHDT
Paving	—	—	—	—
Paving	Worker	70.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	48.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	48.0	0.02	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	10.0	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	10.0	0.02	HHDT
Podium Building 1	—	—	—	—
Podium Building 1	Worker	75.0	18.5	LDA,LDT1,LDT2
Podium Building 1	Vendor	140	10.2	HHDT,MHDT
Podium Building 1	Hauling	0.00	20.0	HHDT
Podium Building 1	Onsite truck	140	0.02	HHDT
Podium Building 2	—	—	—	—
Podium Building 2	Worker	75.0	18.5	LDA,LDT1,LDT2
Podium Building 2	Vendor	140	10.2	HHDT,MHDT

Podium Building 2	Hauling	0.00	20.0	HHDT
Podium Building 2	Onsite truck	140	0.02	HHDT
Building Construction 3	—	—	—	—
Building Construction 3	Worker	225	18.5	LDA,LDT1,LDT2
Building Construction 3	Vendor	140	10.2	HHDT,MHDT
Building Construction 3	Hauling	0.00	20.0	HHDT
Building Construction 3	Onsite truck	140	0.02	HHDT
Building Construction 1	—	—	—	—
Building Construction 1	Worker	225	18.5	LDA,LDT1,LDT2
Building Construction 1	Vendor	140	10.2	HHDT,MHDT
Building Construction 1	Hauling	0.00	20.0	HHDT
Building Construction 1	Onsite truck	140	0.02	HHDT
Building Construction 2	—	—	—	—
Building Construction 2	Worker	225	18.5	LDA,LDT1,LDT2
Building Construction 2	Vendor	140	10.2	HHDT,MHDT
Building Construction 2	Hauling	0.00	20.0	HHDT
Building Construction 2	Onsite truck	140	0.02	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)
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Architectural Coating	868,713	289,571	195,000	65,000	—
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5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	242,781	—
Grading	—	251,000	0.00	0.00	—
Paving	0.00	0.00	0.00	0.00	0.00

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
General Office Building	0.00	0%
Enclosed Parking with Elevator	0.00	100%
High Turnover (Sit Down Restaurant)	0.00	0%
Apartments Mid Rise	—	0%
Strip Mall	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
2023	1,905	522	0.05	0.01
2024	3,810	522	0.05	0.01
2025	1,905	522	0.05	0.01
2026	1,270	522	0.05	0.01

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	5,589	5,355	4,341	1,962,709	45,271	43,376	35,162	15,897,992

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	5,589	5,355	4,341	1,962,709	45,271	43,376	35,162	15,897,992

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	4
Electric Fireplaces	0

No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	4
Electric Fireplaces	0
No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
868712.85	289,571	195,000	65,000	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00

Summer Days	day/yr	250
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5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
General Office Building	1,998,698	455	0.0489	0.0069	0.00
Enclosed Parking with Elevator	1,900,349	455	0.0489	0.0069	0.00
High Turnover (Sit Down Restaurant)	1,026,561	455	0.0489	0.0069	1,404,000
Apartments Mid Rise	2,664,535	455	0.0489	0.0069	0.00
Strip Mall	286,270	455	0.0489	0.0069	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
General Office Building	1,998,698	455	0.0489	0.0069	0.00
Enclosed Parking with Elevator	1,900,349	455	0.0489	0.0069	0.00
High Turnover (Sit Down Restaurant)	1,026,561	455	0.0489	0.0069	1,404,000
Apartments Mid Rise	2,664,535	455	0.0489	0.0069	0.00
Strip Mall	286,270	455	0.0489	0.0069	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Office Building	15,996,037	0.00
Enclosed Parking with Elevator	0.00	0.00
High Turnover (Sit Down Restaurant)	6,070,674	0.00
Apartments Mid Rise	15,841,365	1,881,156
Strip Mall	1,481,450	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Office Building	12,796,830	0.00
Enclosed Parking with Elevator	0.00	0.00
High Turnover (Sit Down Restaurant)	4,856,539	0.00
Apartments Mid Rise	12,673,092	1,504,925
Strip Mall	1,185,160	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Office Building	83.7	0.00
Enclosed Parking with Elevator	0.00	0.00
High Turnover (Sit Down Restaurant)	238	0.00
Apartments Mid Rise	106	0.00
Strip Mall	21.0	0.00

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Office Building	19.8	0.00
Enclosed Parking with Elevator	0.00	0.00
High Turnover (Sit Down Restaurant)	56.2	0.00
Apartments Mid Rise	25.1	0.00
Strip Mall	4.96	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	3.00	0.33	200	600	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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5.17. User Defined

Equipment Type	Fuel Type
—	—

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	8.06	annual days of extreme heat

Extreme Precipitation	4.50	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	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 ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. 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 (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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 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	40.0
AQ-PM	64.7
AQ-DPM	79.1
Drinking Water	71.7
Lead Risk Housing	21.1
Pesticides	0.00

Toxic Releases	80.8
Traffic	77.7
Effect Indicators	—
CleanUp Sites	74.4
Groundwater	86.2
Haz Waste Facilities/Generators	56.4
Impaired Water Bodies	99.6
Solid Waste	55.5
Sensitive Population	—
Asthma	13.1
Cardio-vascular	14.8
Low Birth Weights	54.8
Socioeconomic Factor Indicators	—
Education	18.8
Housing	78.1
Linguistic	41.4
Poverty	38.1
Unemployment	9.72

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	66.23893238
Employed	55.84498909
Median HI	76.76119595
Education	—

Bachelor's or higher	91.36404466
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	86.34672142
Active commuting	50.8020018
Social	—
2-parent households	9.80366996
Voting	64.49377647
Neighborhood	—
Alcohol availability	47.37585012
Park access	81.35506224
Retail density	58.1675863
Supermarket access	76.08109842
Tree canopy	50.8020018
Housing	—
Homeownership	50.58385731
Housing habitability	74.43859874
Low-inc homeowner severe housing cost burden	32.50352881
Low-inc renter severe housing cost burden	79.13512126
Uncrowded housing	92.9038881
Health Outcomes	—
Insured adults	81.30373412
Arthritis	17.5
Asthma ER Admissions	89.1
High Blood Pressure	15.4
Cancer (excluding skin)	6.6

Asthma	80.2
Coronary Heart Disease	17.4
Chronic Obstructive Pulmonary Disease	56.7
Diagnosed Diabetes	57.0
Life Expectancy at Birth	81.4
Cognitively Disabled	26.7
Physically Disabled	45.1
Heart Attack ER Admissions	91.5
Mental Health Not Good	87.0
Chronic Kidney Disease	45.1
Obesity	75.0
Pedestrian Injuries	48.4
Physical Health Not Good	70.2
Stroke	34.3
Health Risk Behaviors	—
Binge Drinking	71.2
Current Smoker	89.0
No Leisure Time for Physical Activity	82.1
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	61.9
Children	73.7
Elderly	6.3
English Speaking	52.1
Foreign-born	56.5
Outdoor Workers	98.2
Climate Change Adaptive Capacity	—

Impervious Surface Cover	12.3
Traffic Density	74.6
Traffic Access	64.6
Other Indices	—
Hardship	20.2
Other Decision Support	—
2016 Voting	64.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	49.0
Healthy Places Index Score for Project Location (b)	78.0
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
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Characteristics: Utility Information	SB 100
Land Use	957 Population to match the VMT Calculator
Operations: Hearths	4 propane fire pits in common areas
Operations: Energy Use	see GHG parameters - adjustment for all electric ordinance less cooking for restaurant.
Characteristics: Project Details	South Coast Air Basin
Construction: Construction Phases	see construction assumptions
Construction: Off-Road Equipment	see construction assumptions
Construction: Trips and VMT	see construction assumptions
Construction: On-Road Fugitive Dust	Given Project site constraints (active construction zone and excavation across the site), it is conservatively assumed that haul trucks would be limited to approximately 15 mph on unpaved roads. Furthermore, much of the hauling activity for demolition would be on paved surfaces, but this analysis assumes 100% unpaved. In addition, all deliveries would be made to staging areas in which the surface would be stabilized. However, it was conservatively assumed that the surface would be water twice daily.
Operations: Generators + Pumps EF	SCAQMD Rule 1470 Table 1 (Located at Sensitive Receptor (0.01 g PM/bhp-hr).
Operations: Emergency Generators and Fire Pumps	Hours reflect SCAQMD Rule 1470 permitted hours.
Construction: Electricity	SB 100 for 2023

Paseo Marina - Project Option A Localized Impacts Detailed Report

Table of Contents

1. Basic Project Information
 - 1.1. Basic Project Information
 - 1.2. Land Use Types
 - 1.3. User-Selected Emission Reduction Measures by Emissions Sector
2. Emissions Summary
 - 2.1. Construction Emissions Compared Against Thresholds
 - 2.2. Construction Emissions by Year, Unmitigated
 - 2.3. Construction Emissions by Year, Mitigated
 - 2.4. Operations Emissions Compared Against Thresholds
 - 2.5. Operations Emissions by Sector, Unmitigated
 - 2.6. Operations Emissions by Sector, Mitigated
3. Construction Emissions Details
 - 3.1. Demolition (2023) - Unmitigated
 - 3.2. Demolition (2023) - Mitigated

3.3. Grading (2023) - Unmitigated

3.4. Grading (2023) - Mitigated

3.5. Grading (2024) - Unmitigated

3.6. Grading (2024) - Mitigated

3.7. Building Construction (2023) - Unmitigated

3.8. Building Construction (2023) - Mitigated

3.9. Building Construction (2024) - Unmitigated

3.10. Building Construction (2024) - Mitigated

3.11. Building Construction (2023) - Unmitigated

3.12. Building Construction (2023) - Mitigated

3.13. Building Construction (2024) - Unmitigated

3.14. Building Construction (2024) - Mitigated

3.15. Building Construction (2024) - Unmitigated

3.16. Building Construction (2024) - Mitigated

3.17. Building Construction (2024) - Unmitigated

3.18. Building Construction (2024) - Mitigated

3.19. Building Construction (2025) - Unmitigated

- 3.20. Building Construction (2025) - Mitigated
- 3.21. Building Construction (2024) - Unmitigated
- 3.22. Building Construction (2024) - Mitigated
- 3.23. Building Construction (2025) - Unmitigated
- 3.24. Building Construction (2025) - Mitigated
- 3.25. Building Construction (2026) - Unmitigated
- 3.26. Building Construction (2026) - Mitigated
- 3.27. Building Construction (2025) - Unmitigated
- 3.28. Building Construction (2025) - Mitigated
- 3.29. Building Construction (2026) - Unmitigated
- 3.30. Building Construction (2026) - Mitigated
- 3.31. Paving (2025) - Unmitigated
- 3.32. Paving (2025) - Mitigated
- 3.33. Paving (2026) - Unmitigated
- 3.34. Paving (2026) - Mitigated
- 3.35. Architectural Coating (2025) - Unmitigated
- 3.36. Architectural Coating (2025) - Mitigated

3.37. Architectural Coating (2026) - Unmitigated

3.38. Architectural Coating (2026) - Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.2. Unmitigated

4.3.1. Mitigated

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

4.4.1. Mitigated

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

4.5.1. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Paseo Marina - Project Option A Localized Impacts
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	8.20
Location	13450 Maxella Ave, Marina Del Rey, CA 90292, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4428
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas

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
Enclosed Parking with Elevator	1,217	Space	0.00	486,800	0.00	0.00	—	—
High Turnover (Sit Down Restaurant)	13.7	1000sqft	0.00	13,650	0.00	0.00	—	—

Apartments Mid Rise	658	Dwelling Unit	6.06	647,029	70,175	0.00	1,481	—
Strip Mall	13.7	1000sqft	0.00	13,650	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Water	W-7	Adopt a Water Conservation Strategy
Waste	S-1/S-2	Implement Waste Reduction Plan

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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	21.4	88.8	104	0.18	3.47	6.90	10.4	3.19	0.73	3.88	16,993
Mit.	18.3	58.8	144	0.24	0.94	6.90	7.85	0.90	0.73	1.59	22,497
% Reduced	14%	34%	-38%	-31%	73%	—	24%	72%	—	59%	-32%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	23.9	72.8	81.9	0.14	3.08	5.79	8.87	2.84	0.58	3.42	13,256
Mit.	19.1	46.0	111	0.18	0.84	5.79	6.63	0.79	0.58	1.37	17,322
% Reduced	20%	37%	-35%	-29%	73%	—	25%	72%	—	60%	-31%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.30	48.9	55.9	0.10	1.89	3.19	5.08	1.74	0.32	2.06	9,156
Mit.	7.14	32.2	79.1	0.13	0.44	3.19	3.64	0.43	0.32	0.75	12,498

% Reduced	23%	34%	-41%	-34%	77%	—	28%	76%	—	64%	-36%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.70	8.92	10.2	0.02	0.35	0.58	0.93	0.32	0.06	0.38	1,516
Mit.	1.30	5.88	14.4	0.02	0.08	0.58	0.66	0.08	0.06	0.14	2,069
% Reduced	23%	34%	-41%	-34%	77%	—	28%	76%	—	64%	-36%

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	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
2023	5.69	50.1	61.5	0.10	2.22	6.34	8.56	2.04	0.73	2.77	9,560
2024	10.0	88.8	104	0.18	3.47	6.90	10.4	3.19	0.69	3.88	16,993
2025	21.2	41.6	50.1	0.09	1.48	2.60	4.08	1.36	0.26	1.62	8,254
2026	21.4	42.5	54.1	0.09	1.51	1.87	3.38	1.39	0.19	1.57	8,975
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2023	8.21	72.8	81.9	0.14	3.08	5.79	8.87	2.84	0.58	3.42	13,256
2024	7.73	69.3	81.5	0.14	2.75	5.79	8.54	2.53	0.58	3.11	13,240
2025	23.9	65.2	79.3	0.14	2.43	2.98	5.41	2.24	0.30	2.53	13,074
2026	23.5	62.2	78.9	0.14	2.16	2.98	5.15	1.99	0.30	2.29	13,063
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2023	3.11	27.3	32.9	0.05	1.22	2.82	4.04	1.12	0.30	1.43	5,229
2024	5.51	48.9	55.9	0.10	1.89	3.19	5.08	1.74	0.32	2.06	9,156
2025	9.30	29.8	36.0	0.06	1.07	1.68	2.75	0.99	0.17	1.15	5,920
2026	7.65	16.2	20.6	0.04	0.57	0.73	1.30	0.53	0.07	0.60	3,412
Annual	—	—	—	—	—	—	—	—	—	—	—
2023	0.57	4.98	6.01	0.01	0.22	0.52	0.74	0.20	0.06	0.26	866

2024	1.01	8.92	10.2	0.02	0.35	0.58	0.93	0.32	0.06	0.38	1,516
2025	1.70	5.43	6.56	0.01	0.20	0.31	0.50	0.18	0.03	0.21	980
2026	1.40	2.95	3.75	0.01	0.10	0.13	0.24	0.10	0.01	0.11	565

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	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
2023	2.15	29.4	75.9	0.12	0.51	6.34	6.78	0.48	0.73	1.14	11,607
2024	4.29	58.8	144	0.24	0.94	6.90	7.85	0.90	0.69	1.59	22,497
2025	18.2	27.7	74.0	0.12	0.26	2.60	2.86	0.25	0.26	0.51	11,744
2026	18.3	26.1	73.8	0.12	0.31	1.87	2.18	0.30	0.19	0.48	11,477
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2023	3.50	46.0	109	0.18	0.84	5.79	6.63	0.79	0.58	1.37	17,015
2024	3.47	45.7	109	0.18	0.82	5.79	6.61	0.78	0.58	1.36	17,068
2025	19.1	39.9	111	0.18	0.43	2.98	3.42	0.42	0.30	0.72	17,322
2026	19.1	39.9	111	0.18	0.43	2.98	3.42	0.42	0.30	0.72	17,310
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2023	1.17	16.1	42.1	0.07	0.28	2.82	3.10	0.26	0.30	0.57	6,352
2024	2.20	32.2	79.1	0.13	0.44	3.19	3.64	0.43	0.32	0.75	12,498
2025	7.14	19.5	52.7	0.09	0.19	1.68	1.87	0.18	0.17	0.35	8,356
2026	6.49	10.0	28.2	0.05	0.12	0.73	0.84	0.11	0.07	0.19	4,398
Annual	—	—	—	—	—	—	—	—	—	—	—
2023	0.21	2.94	7.68	0.01	0.05	0.52	0.57	0.05	0.06	0.10	1,052
2024	0.40	5.88	14.4	0.02	0.08	0.58	0.66	0.08	0.06	0.14	2,069
2025	1.30	3.56	9.63	0.02	0.03	0.31	0.34	0.03	0.03	0.06	1,383

2026	1.18	1.83	5.15	0.01	0.02	0.13	0.15	0.02	0.01	0.03	728
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2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	24.6	1.97	65.0	0.01	0.09	0.00	0.09	0.11	0.00	0.11	11,820
Mit.	24.6	1.97	65.0	0.01	0.09	0.00	0.09	0.11	0.00	0.11	10,932
% Reduced	—	—	—	—	—	—	—	—	—	—	8%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	17.6	1.42	5.31	0.01	0.05	0.00	0.05	0.05	0.00	0.05	11,628
Mit.	17.6	1.42	5.31	0.01	0.05	0.00	0.05	0.05	0.00	0.05	10,739
% Reduced	—	—	—	—	—	—	—	—	—	—	8%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	23.7	2.42	49.5	0.02	0.09	0.00	0.09	0.10	0.00	0.10	12,421
Mit.	23.7	2.42	49.5	0.02	0.09	0.00	0.09	0.10	0.00	0.10	11,532
% Reduced	—	—	—	—	—	—	—	—	—	—	7%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.32	0.44	9.03	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	2,056
Mit.	4.32	0.44	9.03	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	1,909
% Reduced	—	—	—	—	—	—	—	—	—	—	7%

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Area	22.6	0.75	59.8	< 0.005	0.05	—	0.05	0.07	—	0.07	388
Energy	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	8,869
Water	—	—	—	—	—	—	—	—	—	—	506
Waste	—	—	—	—	—	—	—	—	—	—	1,031
Refrig.	—	—	—	—	—	—	—	—	—	—	26.1
Stationary	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	24.6	1.97	65.0	0.01	0.09	0.00	0.09	0.11	0.00	0.11	11,820
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Area	15.6	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Energy	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	8,869
Water	—	—	—	—	—	—	—	—	—	—	506
Waste	—	—	—	—	—	—	—	—	—	—	1,031
Refrig.	—	—	—	—	—	—	—	—	—	—	26.1
Stationary	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	17.6	1.42	5.31	0.01	0.05	0.00	0.05	0.05	0.00	0.05	11,628
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Area	20.4	0.58	41.0	< 0.005	0.04	—	0.04	0.05	—	0.05	328
Energy	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	8,869
Water	—	—	—	—	—	—	—	—	—	—	506
Waste	—	—	—	—	—	—	—	—	—	—	1,031
Refrig.	—	—	—	—	—	—	—	—	—	—	26.1
Stationary	3.24	1.59	8.25	0.02	0.03	—	0.03	0.03	—	0.03	1,662

Total	23.7	2.42	49.5	0.02	0.09	0.00	0.09	0.10	0.00	0.10	12,421
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Area	3.72	0.11	7.48	< 0.005	0.01	—	0.01	0.01	—	0.01	54.3
Energy	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	1,468
Water	—	—	—	—	—	—	—	—	—	—	83.7
Waste	—	—	—	—	—	—	—	—	—	—	171
Refrig.	—	—	—	—	—	—	—	—	—	—	4.31
Stationary	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275
Total	4.32	0.44	9.03	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	2,056

2.6. Operations Emissions by Sector, Mitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Area	22.6	0.75	59.8	< 0.005	0.05	—	0.05	0.07	—	0.07	388
Energy	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	8,869
Water	—	—	—	—	—	—	—	—	—	—	405
Waste	—	—	—	—	—	—	—	—	—	—	243
Refrig.	—	—	—	—	—	—	—	—	—	—	26.1
Stationary	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	24.6	1.97	65.0	0.01	0.09	0.00	0.09	0.11	0.00	0.11	10,932
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Area	15.6	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196

Energy	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	8,869
Water	—	—	—	—	—	—	—	—	—	—	405
Waste	—	—	—	—	—	—	—	—	—	—	243
Refrig.	—	—	—	—	—	—	—	—	—	—	26.1
Stationary	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	17.6	1.42	5.31	0.01	0.05	0.00	0.05	0.05	0.00	0.05	10,739
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Area	20.4	0.58	41.0	< 0.005	0.04	—	0.04	0.05	—	0.05	328
Energy	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	8,869
Water	—	—	—	—	—	—	—	—	—	—	405
Waste	—	—	—	—	—	—	—	—	—	—	243
Refrig.	—	—	—	—	—	—	—	—	—	—	26.1
Stationary	3.24	1.59	8.25	0.02	0.03	—	0.03	0.03	—	0.03	1,662
Total	23.7	2.42	49.5	0.02	0.09	0.00	0.09	0.10	0.00	0.10	11,532
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Area	3.72	0.11	7.48	< 0.005	0.01	—	0.01	0.01	—	0.01	54.3
Energy	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	1,468
Water	—	—	—	—	—	—	—	—	—	—	67.0
Waste	—	—	—	—	—	—	—	—	—	—	40.3
Refrig.	—	—	—	—	—	—	—	—	—	—	4.31
Stationary	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275
Total	4.32	0.44	9.03	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	1,909

3. Construction Emissions Details

3.1. Demolition (2023) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.46	20.6	27.2	0.04	1.04	—	1.04	0.96	—	0.96	4,104
Demolition	—	—	—	—	—	1.83	1.83	—	0.28	0.28	—
Onsite truck	0.05	0.99	0.73	< 0.005	< 0.005	0.95	0.95	< 0.005	0.10	0.10	144
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.46	20.6	27.2	0.04	1.04	—	1.04	0.96	—	0.96	4,104
Demolition	—	—	—	—	—	1.83	1.83	—	0.28	0.28	—
Onsite truck	0.04	1.03	0.75	< 0.005	< 0.005	0.95	0.95	< 0.005	0.10	0.10	146
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.57	4.79	6.33	0.01	0.24	—	0.24	0.22	—	0.22	956
Demolition	—	—	—	—	—	0.43	0.43	—	0.06	0.06	—
Onsite truck	0.01	0.23	0.17	< 0.005	< 0.005	0.22	0.22	< 0.005	0.02	0.02	33.7
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.87	1.16	< 0.005	0.04	—	0.04	0.04	—	0.04	158
Demolition	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	5.58
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Demolition (2023) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	11.3	34.2	0.05	0.12	—	0.12	0.11	—	0.11	4,879
Demolition	—	—	—	—	—	1.83	1.83	—	0.28	0.28	—
Onsite truck	0.05	0.99	0.73	< 0.005	< 0.005	0.95	0.95	< 0.005	0.10	0.10	144
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Paseo Marina - Project Option A Localized Impacts Detailed Report, 2/23/2023

Off-Road Equipment	0.67	11.3	34.2	0.05	0.12	—	0.12	0.11	—	0.11	4,879
Demolition	—	—	—	—	—	1.83	1.83	—	0.28	0.28	—
Onsite truck	0.04	1.03	0.75	< 0.005	< 0.005	0.95	0.95	< 0.005	0.10	0.10	146
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	2.62	7.96	0.01	0.03	—	0.03	0.03	—	0.03	1,136
Demolition	—	—	—	—	—	0.43	0.43	—	0.06	0.06	—
Onsite truck	0.01	0.23	0.17	< 0.005	< 0.005	0.22	0.22	< 0.005	0.02	0.02	33.7
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.48	1.45	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	188
Demolition	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	5.58
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2023) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.80	23.5	32.3	0.05	1.18	—	1.18	1.08	—	1.08	5,038
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.09	1.86	1.37	< 0.005	< 0.005	3.56	3.56	< 0.005	0.36	0.36	271
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.80	23.5	32.3	0.05	1.18	—	1.18	1.08	—	1.08	5,038
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.07	1.95	1.41	< 0.005	< 0.005	3.56	3.56	< 0.005	0.36	0.36	274
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.34	11.3	15.5	0.02	0.56	—	0.56	0.52	—	0.52	2,415
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—

Onsite truck	0.04	0.91	0.66	< 0.005	< 0.005	1.70	1.71	< 0.005	0.17	0.17	131
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	2.06	2.82	< 0.005	0.10	—	0.10	0.09	—	0.09	400
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.01	0.17	0.12	< 0.005	< 0.005	0.31	0.31	< 0.005	0.03	0.03	21.6
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Grading (2023) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	11.9	38.9	0.05	0.32	—	0.32	0.30	—	0.30	5,613
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.09	1.86	1.37	< 0.005	< 0.005	3.56	3.56	< 0.005	0.36	0.36	271
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	11.9	38.9	0.05	0.32	—	0.32	0.30	—	0.30	5,613
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.07	1.95	1.41	< 0.005	< 0.005	3.56	3.56	< 0.005	0.36	0.36	274
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	5.70	18.7	0.03	0.15	—	0.15	0.14	—	0.14	2,691
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.04	0.91	0.66	< 0.005	< 0.005	1.70	1.71	< 0.005	0.17	0.17	131
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	1.04	3.40	< 0.005	0.03	—	0.03	0.03	—	0.03	446
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.01	0.17	0.12	< 0.005	< 0.005	0.31	0.31	< 0.005	0.03	0.03	21.6

Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.62	21.9	32.2	0.05	1.04	—	1.04	0.96	—	0.96	5,035

Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.08	1.84	1.36	< 0.005	< 0.005	3.56	3.56	< 0.005	0.36	0.36	267
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.62	21.9	32.2	0.05	1.04	—	1.04	0.96	—	0.96	5,035
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.07	1.93	1.41	< 0.005	< 0.005	3.56	3.56	< 0.005	0.36	0.36	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.79	6.59	9.69	0.01	0.31	—	0.31	0.29	—	0.29	1,518
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.02	0.57	0.42	< 0.005	< 0.005	1.07	1.07	< 0.005	0.11	0.11	80.8
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	1.20	1.77	< 0.005	0.06	—	0.06	0.05	—	0.05	251
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	< 0.005	0.10	0.08	< 0.005	< 0.005	0.20	0.20	< 0.005	0.02	0.02	13.4
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Grading (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	11.7	38.9	0.05	0.30	—	0.30	0.28	—	0.28	5,611
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.08	1.84	1.36	< 0.005	< 0.005	3.56	3.56	< 0.005	0.36	0.36	267
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	11.7	38.9	0.05	0.30	—	0.30	0.28	—	0.28	5,611

Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.07	1.93	1.41	< 0.005	< 0.005	3.56	3.56	< 0.005	0.36	0.36	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	3.53	11.7	0.02	0.09	—	0.09	0.08	—	0.08	1,691
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.02	0.57	0.42	< 0.005	< 0.005	1.07	1.07	< 0.005	0.11	0.11	80.8
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.64	2.14	< 0.005	0.02	—	0.02	0.02	—	0.02	280
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	< 0.005	0.10	0.08	< 0.005	< 0.005	0.20	0.20	< 0.005	0.02	0.02	13.4
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2023) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.70	22.6	23.7	0.04	1.03	—	1.03	0.94	—	0.94	3,857
Onsite truck	0.09	2.01	1.49	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	271
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.70	22.6	23.7	0.04	1.03	—	1.03	0.94	—	0.94	3,857
Onsite truck	0.08	2.10	1.54	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	274
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	6.78	7.09	0.01	0.31	—	0.31	0.28	—	0.28	1,155
Onsite truck	0.03	0.61	0.45	< 0.005	< 0.005	0.33	0.33	< 0.005	0.03	0.03	81.5
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	1.24	1.29	< 0.005	0.06	—	0.06	0.05	—	0.05	191
Onsite truck	< 0.005	0.11	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.01	13.5

Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2023) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	13.7	34.1	0.06	0.19	—	0.19	0.18	—	0.18	5,449
Onsite truck	0.09	2.01	1.49	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	271

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	13.7	34.1	0.06	0.19	—	0.19	0.18	—	0.18	5,449
Onsite truck	0.08	2.10	1.54	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	274
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	4.09	10.2	0.02	0.06	—	0.06	0.05	—	0.05	1,632
Onsite truck	0.03	0.61	0.45	< 0.005	< 0.005	0.33	0.33	< 0.005	0.03	0.03	81.5
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.75	1.86	< 0.005	0.01	—	0.01	0.01	—	0.01	270
Onsite truck	< 0.005	0.11	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.01	13.5
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.54	21.6	23.5	0.04	0.92	—	0.92	0.84	—	0.84	3,857
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	3.85	4.19	0.01	0.16	—	0.16	0.15	—	0.15	687
Onsite truck	0.02	0.36	0.27	< 0.005	< 0.005	0.20	0.20	< 0.005	0.02	0.02	47.7
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.70	0.76	< 0.005	0.03	—	0.03	0.03	—	0.03	114
Onsite truck	< 0.005	0.07	0.05	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	7.90
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	13.7	34.1	0.06	0.19	—	0.19	0.18	—	0.18	5,449
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	2.43	6.08	0.01	0.03	—	0.03	0.03	—	0.03	970
Onsite truck	0.02	0.36	0.27	< 0.005	< 0.005	0.20	0.20	< 0.005	0.02	0.02	47.7
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.44	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	161
Onsite truck	< 0.005	0.07	0.05	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	7.90
Offsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2023) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.47	20.5	21.5	0.04	0.88	—	0.88	0.81	—	0.81	3,535
Onsite truck	0.08	2.10	1.54	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	274
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.30	2.45	2.57	< 0.005	0.11	—	0.11	0.10	—	0.10	422
Onsite truck	0.01	0.24	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.01	0.01	32.5
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.45	0.47	< 0.005	0.02	—	0.02	0.02	—	0.02	69.9
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	5.38
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2023) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.29	14.3	31.9	0.06	0.33	—	0.33	0.31	—	0.31	5,127
Onsite truck	0.08	2.10	1.54	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	274
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	1.70	3.81	0.01	0.04	—	0.04	0.04	—	0.04	612
Onsite truck	0.01	0.24	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.01	0.01	32.5
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.31	0.69	< 0.005	0.01	—	0.01	0.01	—	0.01	101
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	5.38
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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3.13. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.33	19.7	21.3	0.04	0.79	—	0.79	0.73	—	0.73	3,535
Onsite truck	0.09	1.99	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.33	19.7	21.3	0.04	0.79	—	0.79	0.73	—	0.73	3,535
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	7.00	7.60	0.01	0.28	—	0.28	0.26	—	0.26	1,259
Onsite truck	0.03	0.72	0.54	< 0.005	< 0.005	0.40	0.40	< 0.005	0.04	0.04	95.4
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	1.28	1.39	< 0.005	0.05	—	0.05	0.05	—	0.05	208
Onsite truck	0.01	0.13	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	15.8
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.29	14.3	31.9	0.06	0.33	—	0.33	0.31	—	0.31	5,127
Onsite truck	0.09	1.99	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.29	14.3	31.9	0.06	0.33	—	0.33	0.31	—	0.31	5,127
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.46	5.09	11.4	0.02	0.12	—	0.12	0.11	—	0.11	1,826
Onsite truck	0.03	0.72	0.54	< 0.005	< 0.005	0.40	0.40	< 0.005	0.04	0.04	95.4
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.93	2.07	< 0.005	0.02	—	0.02	0.02	—	0.02	302
Onsite truck	0.01	0.13	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	15.8
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.33	19.7	21.3	0.04	0.79	—	0.79	0.73	—	0.73	3,535
Onsite truck	0.09	1.99	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.33	19.7	21.3	0.04	0.79	—	0.79	0.73	—	0.73	3,535
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.10	9.26	10.1	0.02	0.37	—	0.37	0.34	—	0.34	1,666
Onsite truck	0.04	0.96	0.71	< 0.005	< 0.005	0.52	0.52	< 0.005	0.05	0.05	126
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	1.69	1.84	< 0.005	0.07	—	0.07	0.06	—	0.06	276
Onsite truck	0.01	0.17	0.13	< 0.005	< 0.005	0.10	0.10	< 0.005	0.01	0.01	20.9
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	13.5	31.9	0.06	0.18	—	0.18	0.18	—	0.18	5,127
Onsite truck	0.09	1.99	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	13.5	31.9	0.06	0.18	—	0.18	0.18	—	0.18	5,127
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	6.36	15.0	0.03	0.09	—	0.09	0.08	—	0.08	2,416
Onsite truck	0.04	0.96	0.71	< 0.005	< 0.005	0.52	0.52	< 0.005	0.05	0.05	126
Annual	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.08	1.16	2.74	< 0.005	0.02	—	0.02	0.02	—	0.02	400
Onsite truck	0.01	0.17	0.13	< 0.005	< 0.005	0.10	0.10	< 0.005	0.01	0.01	20.9
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Paseo Marina - Project Option A Localized Impacts Detailed Report, 2/23/2023

Off-Road Equipment	2.39	19.8	23.5	0.04	0.85	—	0.85	0.78	—	0.78	3,820
Onsite truck	0.09	1.99	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.39	19.8	23.5	0.04	0.85	—	0.85	0.78	—	0.78	3,820
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.29	10.6	12.6	0.02	0.46	—	0.46	0.42	—	0.42	2,056
Onsite truck	0.05	1.09	0.81	< 0.005	< 0.005	0.60	0.60	< 0.005	0.06	0.06	144
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	1.94	2.31	< 0.005	0.08	—	0.08	0.08	—	0.08	340
Onsite truck	0.01	0.20	0.15	< 0.005	< 0.005	0.11	0.11	< 0.005	0.01	0.01	23.9
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.18. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.09	1.99	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	6.20	19.0	0.03	0.07	—	0.07	0.07	—	0.07	2,994
Onsite truck	0.05	1.09	0.81	< 0.005	< 0.005	0.60	0.60	< 0.005	0.06	0.06	144
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	1.13	3.46	0.01	0.01	—	0.01	0.01	—	0.01	496
Onsite truck	0.01	0.20	0.15	< 0.005	< 0.005	0.11	0.11	< 0.005	0.01	0.01	23.9
Offsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.23	18.5	23.3	0.04	0.74	—	0.74	0.68	—	0.68	3,819
Onsite truck	0.09	1.98	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	262

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.23	18.5	23.3	0.04	0.74	—	0.74	0.68	—	0.68	3,819
Onsite truck	0.08	2.07	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.33	11.0	13.9	0.02	0.44	—	0.44	0.41	—	0.41	2,272
Onsite truck	0.05	1.20	0.90	< 0.005	< 0.005	0.66	0.66	< 0.005	0.07	0.07	157
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	2.01	2.53	< 0.005	0.08	—	0.08	0.07	—	0.07	376
Onsite truck	0.01	0.22	0.16	< 0.005	< 0.005	0.12	0.12	< 0.005	0.01	0.01	26.0
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.20. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.09	1.98	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	262
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.08	2.07	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	6.86	21.0	0.03	0.08	—	0.08	0.08	—	0.08	3,310
Onsite truck	0.05	1.20	0.90	< 0.005	< 0.005	0.66	0.66	< 0.005	0.07	0.07	157
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	1.25	3.83	0.01	0.01	—	0.01	0.01	—	0.01	548
Onsite truck	0.01	0.22	0.16	< 0.005	< 0.005	0.12	0.12	< 0.005	0.01	0.01	26.0
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.39	19.8	23.5	0.04	0.85	—	0.85	0.78	—	0.78	3,820
Onsite truck	0.09	1.99	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.39	19.8	23.5	0.04	0.85	—	0.85	0.78	—	0.78	3,820
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.86	7.11	8.45	0.01	0.31	—	0.31	0.28	—	0.28	1,375
Onsite truck	0.03	0.73	0.54	< 0.005	< 0.005	0.40	0.40	< 0.005	0.04	0.04	96.4
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.30	1.54	< 0.005	0.06	—	0.06	0.05	—	0.05	228
Onsite truck	0.01	0.13	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	16.0
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.22. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.09	1.99	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	4.15	12.7	0.02	0.05	—	0.05	0.05	—	0.05	2,004
Onsite truck	0.03	0.73	0.54	< 0.005	< 0.005	0.40	0.40	< 0.005	0.04	0.04	96.4
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.76	2.32	< 0.005	0.01	—	0.01	0.01	—	0.01	332
Onsite truck	0.01	0.13	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	16.0
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.23. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.23	18.5	23.3	0.04	0.74	—	0.74	0.68	—	0.68	3,819
Onsite truck	0.09	1.98	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	262
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.23	18.5	23.3	0.04	0.74	—	0.74	0.68	—	0.68	3,819
Onsite truck	0.08	2.07	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.59	13.2	16.7	0.03	0.53	—	0.53	0.49	—	0.49	2,728

Onsite truck	0.06	1.44	1.08	< 0.005	< 0.005	0.79	0.79	< 0.005	0.08	0.08	188
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	2.41	3.04	0.01	0.10	—	0.10	0.09	—	0.09	452
Onsite truck	0.01	0.26	0.20	< 0.005	< 0.005	0.14	0.14	< 0.005	0.01	0.01	31.2
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.24. Building Construction (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	CO2e
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Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.09	1.98	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	262
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.08	2.07	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	8.23	25.2	0.04	0.09	—	0.09	0.09	—	0.09	3,974
Onsite truck	0.06	1.44	1.08	< 0.005	< 0.005	0.79	0.79	< 0.005	0.08	0.08	188
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	1.50	4.59	0.01	0.02	—	0.02	0.02	—	0.02	658
Onsite truck	0.01	0.26	0.20	< 0.005	< 0.005	0.14	0.14	< 0.005	0.01	0.01	31.2
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.25. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.11	17.6	23.2	0.04	0.65	—	0.65	0.60	—	0.60	3,819
Onsite truck	0.08	2.05	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	262
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.07	1.41	< 0.005	0.04	—	0.04	0.04	—	0.04	232
Onsite truck	0.01	0.12	0.09	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	15.8
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.19	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	38.4
Onsite truck	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	2.61
Offsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.26. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.08	2.05	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	262
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.04	0.70	2.14	< 0.005	0.01	—	0.01	0.01	—	0.01	338
Onsite truck	0.01	0.12	0.09	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	15.8
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.13	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	55.9
Onsite truck	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	2.61
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.27. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.23	18.5	23.3	0.04	0.74	—	0.74	0.68	—	0.68	3,819
Onsite truck	0.08	2.07	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	1.12	1.41	< 0.005	0.04	—	0.04	0.04	—	0.04	232
Onsite truck	0.01	0.12	0.09	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	16.0
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.20	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	38.4
Onsite truck	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	2.65
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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3.28. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.08	2.07	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.70	2.14	< 0.005	0.01	—	0.01	0.01	—	0.01	338
Onsite truck	0.01	0.12	0.09	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	16.0
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.13	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	55.9
Onsite truck	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	2.65
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.29. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.11	17.6	23.2	0.04	0.65	—	0.65	0.60	—	0.60	3,819
Onsite truck	0.09	1.95	1.49	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	258
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.11	17.6	23.2	0.04	0.65	—	0.65	0.60	—	0.60	3,819
Onsite truck	0.08	2.05	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	262
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	6.15	8.12	0.01	0.23	—	0.23	0.21	—	0.21	1,338
Onsite truck	0.03	0.70	0.53	< 0.005	< 0.005	0.39	0.39	< 0.005	0.04	0.04	91.1
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.12	1.48	< 0.005	0.04	—	0.04	0.04	—	0.04	221

Onsite truck	0.01	0.13	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	15.1
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.30. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564

Onsite truck	0.09	1.95	1.49	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	258
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.08	2.05	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	262
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	4.04	12.3	0.02	0.05	—	0.05	0.04	—	0.04	1,949
Onsite truck	0.03	0.70	0.53	< 0.005	< 0.005	0.39	0.39	< 0.005	0.04	0.04	91.1
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.74	2.25	< 0.005	0.01	—	0.01	0.01	—	0.01	323
Onsite truck	0.01	0.13	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	15.1
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.31. Paving (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.67	22.7	28.5	0.05	0.95	—	0.95	0.87	—	0.87	4,720
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.71	0.53	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	91.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.38	1.73	< 0.005	0.06	—	0.06	0.05	—	0.05	286
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	5.48
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.25	0.32	< 0.005	0.01	—	0.01	0.01	—	0.01	47.4
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.91
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.32. Paving (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.86	11.3	36.1	0.06	0.18	—	0.18	0.17	—	0.17	5,478
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.71	0.53	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	91.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.69	2.19	< 0.005	0.01	—	0.01	0.01	—	0.01	332

Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	5.48
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.13	0.40	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	55.0
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.91
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.33. 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.54	21.6	28.4	0.05	0.85	—	0.85	0.78	—	0.78	4,719
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.67	0.51	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	88.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.54	21.6	28.4	0.05	0.85	—	0.85	0.78	—	0.78	4,719
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.70	0.53	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	89.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	7.65	10.1	0.02	0.30	—	0.30	0.28	—	0.28	1,671
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.24	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.01	0.01	31.6
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.40	1.83	< 0.005	0.06	—	0.06	0.05	—	0.05	277
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	5.23
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.34. 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.86	11.3	36.1	0.06	0.18	—	0.18	0.17	—	0.17	5,477
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.67	0.51	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	88.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.86	11.3	36.1	0.06	0.18	—	0.18	0.17	—	0.17	5,477
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.70	0.53	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	89.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.30	4.00	12.8	0.02	0.06	—	0.06	0.06	—	0.06	1,940
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.24	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.01	0.01	31.6
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.73	2.33	< 0.005	0.01	—	0.01	0.01	—	0.01	321
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	5.23
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.35. Architectural Coating (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	16.5	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.68	0.51	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	89.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	16.5	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.71	0.53	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	91.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.96	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.25	0.19	< 0.005	< 0.005	0.14	0.14	< 0.005	0.01	0.01	32.6
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.09	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.05	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	5.39
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.36. Architectural Coating (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	16.5	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.68	0.51	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	89.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	16.5	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.71	0.53	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	91.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.96	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.01	0.25	0.19	< 0.005	< 0.005	0.14	0.14	< 0.005	0.01	0.01	32.6
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.09	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.05	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	5.39
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.37. 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	CO2e
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Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	16.5	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.67	0.51	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	88.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	16.5	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.70	0.53	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	89.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.83	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.24	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.01	0.01	31.4
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.06	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	5.20
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.38. 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	16.5	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.67	0.51	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	88.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	16.5	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.70	0.53	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	89.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.83	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.24	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.01	0.01	31.4
Annual	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	1.06	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	5.20
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	2,256
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	880
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	5,180
Strip Mall	—	—	—	—	—	—	—	—	—	—	245
Total	—	—	—	—	—	—	—	—	—	—	8,561
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	2,256
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	880
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	5,180
Strip Mall	—	—	—	—	—	—	—	—	—	—	245
Total	—	—	—	—	—	—	—	—	—	—	8,561

Annual	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	374
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	146
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	858
Strip Mall	—	—	—	—	—	—	—	—	—	—	40.6
Total	—	—	—	—	—	—	—	—	—	—	1,417

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	2,256
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	880
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	5,180
Strip Mall	—	—	—	—	—	—	—	—	—	—	245
Total	—	—	—	—	—	—	—	—	—	—	8,561
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	2,256

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	880
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	5,180
Strip Mall	—	—	—	—	—	—	—	—	—	—	245
Total	—	—	—	—	—	—	—	—	—	—	8,561
Annual	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	374
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	146
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	858
Strip Mall	—	—	—	—	—	—	—	—	—	—	40.6
Total	—	—	—	—	—	—	—	—	—	—	1,417

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	308
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00

Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	308
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	308
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	308
Annual	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	51.0
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	51.0

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	308
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	308
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	308
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	308
Annual	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	51.0
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	51.0

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.02	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Consumer Products	14.4	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.18	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	6.98	0.55	59.7	< 0.005	0.04	—	0.04	0.06	—	0.06	192
Total	22.6	0.75	59.8	< 0.005	0.05	—	0.05	0.07	—	0.07	388
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.02	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Consumer Products	14.4	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.18	—	—	—	—	—	—	—	—	—	—
Total	15.6	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Annual	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	0.04	0.02	0.00	< 0.005	—	< 0.005	< 0.005	—	< 0.005	32.4
Consumer Products	2.63	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.22	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.87	0.07	7.46	< 0.005	0.01	—	0.01	0.01	—	0.01	21.8

Total	3.72	0.11	7.48	< 0.005	0.01	—	0.01	0.01	—	0.01	54.3
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4.3.1. Mitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.02	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Consumer Products	14.4	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.18	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	6.98	0.55	59.7	< 0.005	0.04	—	0.04	0.06	—	0.06	192
Total	22.6	0.75	59.8	< 0.005	0.05	—	0.05	0.07	—	0.07	388
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.02	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Consumer Products	14.4	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.18	—	—	—	—	—	—	—	—	—	—
Total	15.6	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Annual	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	0.04	0.02	0.00	< 0.005	—	< 0.005	< 0.005	—	< 0.005	32.4
Consumer Products	2.63	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.22	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.87	0.07	7.46	< 0.005	0.01	—	0.01	0.01	—	0.01	21.8

Total	3.72	0.11	7.48	< 0.005	0.01	—	0.01	0.01	—	0.01	54.3
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4.4. Water Emissions by Land Use

4.4.2. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	69.5
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	419
Strip Mall	—	—	—	—	—	—	—	—	—	—	17.0
Total	—	—	—	—	—	—	—	—	—	—	506
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	69.5
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	419
Strip Mall	—	—	—	—	—	—	—	—	—	—	17.0
Total	—	—	—	—	—	—	—	—	—	—	506
Annual	—	—	—	—	—	—	—	—	—	—	—

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	11.5
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	69.4
Strip Mall	—	—	—	—	—	—	—	—	—	—	2.81
Total	—	—	—	—	—	—	—	—	—	—	83.7

4.4.1. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	55.6
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	335
Strip Mall	—	—	—	—	—	—	—	—	—	—	13.6
Total	—	—	—	—	—	—	—	—	—	—	405
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	55.6
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	335
Strip Mall	—	—	—	—	—	—	—	—	—	—	13.6
Total	—	—	—	—	—	—	—	—	—	—	405
Annual	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	9.20
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	55.5
Strip Mall	—	—	—	—	—	—	—	—	—	—	2.25
Total	—	—	—	—	—	—	—	—	—	—	67.0

4.5. Waste Emissions by Land Use

4.5.2. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	306

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	698
Strip Mall	—	—	—	—	—	—	—	—	—	—	27.0
Total	—	—	—	—	—	—	—	—	—	—	1,031
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	306
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	698
Strip Mall	—	—	—	—	—	—	—	—	—	—	27.0
Total	—	—	—	—	—	—	—	—	—	—	1,031
Annual	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	50.7
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	116
Strip Mall	—	—	—	—	—	—	—	—	—	—	4.47
Total	—	—	—	—	—	—	—	—	—	—	171

4.5.1. 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	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	72.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	165
Strip Mall	—	—	—	—	—	—	—	—	—	—	6.38
Total	—	—	—	—	—	—	—	—	—	—	243
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	72.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	165
Strip Mall	—	—	—	—	—	—	—	—	—	—	6.38
Total	—	—	—	—	—	—	—	—	—	—	243
Annual	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	12.0
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	27.3
Strip Mall	—	—	—	—	—	—	—	—	—	—	1.06

Total	—	—	—	—	—	—	—	—	—	—	40.3
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4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	21.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	4.63
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.09
Total	—	—	—	—	—	—	—	—	—	—	26.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	21.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	4.63
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.09
Total	—	—	—	—	—	—	—	—	—	—	26.1
Annual	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	3.53
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.77
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.01

Total	—	—	—	—	—	—	—	—	—	—	4.31
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4.6.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	21.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	4.63
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.09
Total	—	—	—	—	—	—	—	—	—	—	26.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	21.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	4.63
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.09
Total	—	—	—	—	—	—	—	—	—	—	26.1
Annual	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	3.53
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.77
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.01
Total	—	—	—	—	—	—	—	—	—	—	4.31

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Annual	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275
Total	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275

4.8.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Emergency Generator	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Annual	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275
Total	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

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

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	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	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	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	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	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	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	—	—	—	—	—	—	—	—	—	—	—

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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	2/1/2023	5/30/2023	5.00	85.0	—
Grading Building 1-3	Grading	5/1/2023	6/2/2024	5.00	285	—
Podium Building 1	Building Construction	8/1/2023	3/31/2024	5.00	174	—
Podium Building 2	Building Construction	11/1/2023	6/30/2024	5.00	173	—
Podium Building 3	Building Construction	5/4/2024	12/31/2024	5.00	172	—
Building Construction 1	Building Construction	4/1/2024	10/31/2025	5.00	415	—
Building Construction 2	Building Construction	7/1/2024	1/31/2026	5.00	415	—
Building Construction 3	Building Construction	12/1/2025	6/28/2026	5.00	150	—
Paving	Paving	12/1/2025	6/30/2026	5.00	152	—
Architectural Coating	Architectural Coating	7/1/2025	6/29/2026	5.00	260	—

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	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Demolition	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Demolition	Other Construction Equipment	Diesel	Average	3.00	8.00	82.0	0.42
Demolition	Excavators	Diesel	Average	2.00	8.00	158	0.38

Demolition	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Demolition	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Demolition	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Demolition	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Grading Building 1-3	Bore/Drill Rigs	Diesel	Average	2.00	8.00	83.0	0.50
Grading Building 1-3	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Grading Building 1-3	Other Construction Equipment	Diesel	Average	2.00	8.00	82.0	0.42
Grading Building 1-3	Excavators	Diesel	Average	2.00	8.00	158	0.38
Grading Building 1-3	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Grading Building 1-3	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Grading Building 1-3	Rubber Tired Loaders	Diesel	Average	2.00	8.00	150	0.36
Grading Building 1-3	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Grading Building 1-3	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Grading Building 1-3	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Grading Building 1-3	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Podium Building 1	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Podium Building 1	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Podium Building 1	Concrete/Industrial Saws	Diesel	Average	3.00	8.00	33.0	0.73
Podium Building 1	Cranes	Diesel	Average	1.00	8.00	367	0.29
Podium Building 1	Other Construction Equipment	Diesel	Average	2.00	8.00	82.0	0.42
Podium Building 1	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20
Podium Building 1	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43

Podium Building 1	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Podium Building 1	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Podium Building 1	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Podium Building 2	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Podium Building 2	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Podium Building 2	Concrete/Industrial Saws	Diesel	Average	3.00	8.00	33.0	0.73
Podium Building 2	Cranes	Diesel	Average	1.00	8.00	367	0.29
Podium Building 2	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20
Podium Building 2	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Podium Building 2	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Podium Building 2	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Podium Building 2	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Podium Building 3	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Podium Building 3	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Podium Building 3	Concrete/Industrial Saws	Diesel	Average	3.00	8.00	33.0	0.73
Podium Building 3	Cranes	Diesel	Average	1.00	8.00	367	0.29
Podium Building 3	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20
Podium Building 3	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Podium Building 3	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Podium Building 3	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Podium Building 3	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Building Construction 1	Air Compressors	Diesel	Average	3.00	8.00	37.0	0.48
Building Construction 1	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Building Construction 1	Cranes	Diesel	Average	1.00	8.00	367	0.29

Building Construction 1	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction 1	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Building Construction 1	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Building Construction 1	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Building Construction 1	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Building Construction 2	Air Compressors	Diesel	Average	3.00	8.00	37.0	0.48
Building Construction 2	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Building Construction 2	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction 2	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction 2	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Building Construction 2	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Building Construction 2	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Building Construction 2	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Building Construction 3	Air Compressors	Diesel	Average	3.00	8.00	37.0	0.48
Building Construction 3	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Building Construction 3	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction 3	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction 3	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Building Construction 3	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Building Construction 3	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Building Construction 3	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Paving	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Paving	Cement and Mortar Mixers	Diesel	Average	2.00	8.00	10.0	0.56
Paving	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Paving	Cranes	Diesel	Average	1.00	8.00	367	0.29

Paving	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Paving	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Paving	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Paving	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Paving	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50
Paving	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Grading Building 1-3	Cranes	Electric	Average	1.00	8.00	367	0.29
Podium Building 1	Cranes	Electric	Average	1.00	8.00	367	0.29
Podium Building 2	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Podium Building 2	Cranes	Electric	Average	1.00	8.00	367	0.29
Podium Building 3	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Podium Building 3	Cranes	Electric	Average	1.00	8.00	367	0.29
Building Construction 1	Cranes	Electric	Average	1.00	8.00	367	0.29
Building Construction 1	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Building Construction 2	Cranes	Electric	Average	1.00	8.00	367	0.29
Building Construction 2	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Building Construction 3	Cranes	Electric	Average	1.00	8.00	367	0.29
Building Construction 3	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42

Paving	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
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5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	2.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading Building 1-3	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading Building 1-3	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Podium Building 1	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Podium Building 1	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Podium Building 1	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Podium Building 2	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Podium Building 2	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Podium Building 2	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Podium Building 3	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Podium Building 3	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Podium Building 3	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Construction 1	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction 1	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction 1	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Construction 2	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction 2	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction 2	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Construction 3	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction 3	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20

Building Construction 3	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Final	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
Demolition	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	2.00	8.00	33.0	0.73
Demolition	Other Construction Equipment	Diesel	Tier 4 Final	3.00	8.00	82.0	0.42
Demolition	Excavators	Diesel	Tier 4 Final	2.00	8.00	158	0.38
Demolition	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	8.00	150	0.36
Demolition	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Demolition	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Demolition	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
Grading Building 1-3	Bore/Drill Rigs	Diesel	Tier 4 Final	2.00	8.00	83.0	0.50
Grading Building 1-3	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Grading Building 1-3	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Grading Building 1-3	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Grading Building 1-3	Excavators	Diesel	Tier 4 Final	2.00	8.00	158	0.38
Grading Building 1-3	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Grading Building 1-3	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading Building 1-3	Rubber Tired Loaders	Diesel	Tier 4 Final	2.00	8.00	150	0.36
Grading Building 1-3	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Grading Building 1-3	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37

Grading Building 1-3	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Grading Building 1-3	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Podium Building 1	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Podium Building 1	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Podium Building 1	Concrete/Industrial Saws	Diesel	Tier 4 Final	3.00	8.00	33.0	0.73
Podium Building 1	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Podium Building 1	Other Construction Equipment	Diesel	Tier 4 Final	2.00	8.00	82.0	0.42
Podium Building 1	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Podium Building 1	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Podium Building 1	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Podium Building 1	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Podium Building 1	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Podium Building 2	Air Compressors	Diesel	Tier 1	1.00	8.00	37.0	0.48
Podium Building 2	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Podium Building 2	Concrete/Industrial Saws	Diesel	Tier 4 Final	3.00	8.00	33.0	0.73
Podium Building 2	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Podium Building 2	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Podium Building 2	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Podium Building 2	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Podium Building 2	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Podium Building 2	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Podium Building 3	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Podium Building 3	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56

Podium Building 3	Concrete/Industrial Saws	Diesel	Tier 4 Final	3.00	8.00	33.0	0.73
Podium Building 3	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Podium Building 3	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Podium Building 3	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Podium Building 3	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Podium Building 3	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Podium Building 3	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Construction 1	Air Compressors	Diesel	Tier 4 Final	3.00	8.00	37.0	0.48
Building Construction 1	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
Building Construction 1	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Building Construction 1	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction 1	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	8.00	150	0.36
Building Construction 1	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Building Construction 1	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Building Construction 1	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Construction 2	Air Compressors	Diesel	Tier 4 Final	3.00	8.00	37.0	0.48
Building Construction 2	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
Building Construction 2	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Building Construction 2	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction 2	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	8.00	150	0.36
Building Construction 2	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Building Construction 2	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Building Construction 2	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Construction 3	Air Compressors	Diesel	Tier 4 Final	3.00	8.00	37.0	0.48
Building Construction 3	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73

Building Construction 3	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Building Construction 3	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction 3	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	8.00	150	0.36
Building Construction 3	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Building Construction 3	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Building Construction 3	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Paving	Air Compressors	Diesel	Tier 4 Final	2.00	8.00	37.0	0.48
Paving	Cement and Mortar Mixers	Diesel	Average	2.00	8.00	10.0	0.56
Paving	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
Paving	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Paving	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Paving	Pavers	Diesel	Tier 4 Final	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Paving	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Paving	Rollers	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
Paving	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	8.00	150	0.36
Paving	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Paving	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Paving	Trenchers	Diesel	Tier 4 Final	1.00	8.00	40.0	0.50
Paving	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
Grading Building 1-3	Cranes	Electric	Average	1.00	8.00	367	0.29
Podium Building 1	Cranes	Electric	Tier 4 Final	1.00	8.00	367	0.29
Podium Building 2	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Podium Building 2	Cranes	Electric	Tier 4 Final	1.00	8.00	367	0.29

Podium Building 3	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Podium Building 3	Cranes	Electric	Tier 4 Final	1.00	8.00	367	0.29
Building Construction 1	Cranes	Electric	Tier 4 Final	1.00	8.00	367	0.29
Building Construction 1	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Building Construction 2	Cranes	Electric	Tier 4 Final	1.00	8.00	367	0.29
Building Construction 2	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Building Construction 3	Cranes	Electric	Tier 4 Final	1.00	8.00	367	0.29
Building Construction 3	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Paving	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42

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	0.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	0.00	10.2	HHDT,MHDT
Demolition	Hauling	0.00	40.4	HHDT
Demolition	Onsite truck	68.0	0.07	HHDT
Grading Building 1-3	—	—	—	—
Grading Building 1-3	Worker	0.00	18.5	LDA,LDT1,LDT2
Grading Building 1-3	Vendor	0.00	10.2	HHDT,MHDT
Grading Building 1-3	Hauling	0.00	40.4	HHDT
Grading Building 1-3	Onsite truck	128	0.07	HHDT

Podium Building 1	—	—	—	—
Podium Building 1	Worker	0.00	18.5	LDA,LDT1,LDT2
Podium Building 1	Vendor	0.00	10.2	HHDT,MHDT
Podium Building 1	Hauling	0.00	20.0	HHDT
Podium Building 1	Onsite truck	140	0.02	HHDT
Podium Building 2	—	—	—	—
Podium Building 2	Worker	0.00	18.5	LDA,LDT1,LDT2
Podium Building 2	Vendor	0.00	10.2	HHDT,MHDT
Podium Building 2	Hauling	0.00	20.0	HHDT
Podium Building 2	Onsite truck	140	0.02	HHDT
Podium Building 3	—	—	—	—
Podium Building 3	Worker	0.00	18.5	LDA,LDT1,LDT2
Podium Building 3	Vendor	0.00	10.2	HHDT,MHDT
Podium Building 3	Hauling	0.00	20.0	HHDT
Podium Building 3	Onsite truck	140	0.02	HHDT
Building Construction 1	—	—	—	—
Building Construction 1	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction 1	Vendor	0.00	10.2	HHDT,MHDT
Building Construction 1	Hauling	0.00	20.0	HHDT
Building Construction 1	Onsite truck	140	0.02	HHDT
Building Construction 2	—	—	—	—
Building Construction 2	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction 2	Vendor	0.00	10.2	HHDT,MHDT
Building Construction 2	Hauling	0.00	20.0	HHDT
Building Construction 2	Onsite truck	140	0.02	HHDT
Building Construction 3	—	—	—	—
Building Construction 3	Worker	0.00	18.5	LDA,LDT1,LDT2

Building Construction 3	Vendor	0.00	10.2	HHDT,MHDT
Building Construction 3	Hauling	0.00	20.0	HHDT
Building Construction 3	Onsite truck	140	0.02	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	48.0	0.02	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	48.0	0.02	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	0.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	0.00	10.2	HHDT,MHDT
Demolition	Hauling	0.00	40.4	HHDT
Demolition	Onsite truck	68.0	0.07	HHDT
Grading Building 1-3	—	—	—	—
Grading Building 1-3	Worker	0.00	18.5	LDA,LDT1,LDT2
Grading Building 1-3	Vendor	0.00	10.2	HHDT,MHDT
Grading Building 1-3	Hauling	0.00	40.4	HHDT
Grading Building 1-3	Onsite truck	128	0.07	HHDT
Podium Building 1	—	—	—	—

Podium Building 1	Worker	0.00	18.5	LDA,LDT1,LDT2
Podium Building 1	Vendor	0.00	10.2	HHDT,MHDT
Podium Building 1	Hauling	0.00	20.0	HHDT
Podium Building 1	Onsite truck	140	0.02	HHDT
Podium Building 2	—	—	—	—
Podium Building 2	Worker	0.00	18.5	LDA,LDT1,LDT2
Podium Building 2	Vendor	0.00	10.2	HHDT,MHDT
Podium Building 2	Hauling	0.00	20.0	HHDT
Podium Building 2	Onsite truck	140	0.02	HHDT
Podium Building 3	—	—	—	—
Podium Building 3	Worker	0.00	18.5	LDA,LDT1,LDT2
Podium Building 3	Vendor	0.00	10.2	HHDT,MHDT
Podium Building 3	Hauling	0.00	20.0	HHDT
Podium Building 3	Onsite truck	140	0.02	HHDT
Building Construction 1	—	—	—	—
Building Construction 1	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction 1	Vendor	0.00	10.2	HHDT,MHDT
Building Construction 1	Hauling	0.00	20.0	HHDT
Building Construction 1	Onsite truck	140	0.02	HHDT
Building Construction 2	—	—	—	—
Building Construction 2	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction 2	Vendor	0.00	10.2	HHDT,MHDT
Building Construction 2	Hauling	0.00	20.0	HHDT
Building Construction 2	Onsite truck	140	0.02	HHDT
Building Construction 3	—	—	—	—
Building Construction 3	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction 3	Vendor	0.00	10.2	HHDT,MHDT

Building Construction 3	Hauling	0.00	20.0	HHDT
Building Construction 3	Onsite truck	140	0.02	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	48.0	0.02	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	48.0	0.02	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	1,310,234	436,745	40,950	13,650	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	242,781	—
Grading Building 1-3	—	241,800	285	0.00	—
Paving	0.00	0.00	0.00	0.00	0.00

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Enclosed Parking with Elevator	0.00	100%
High Turnover (Sit Down Restaurant)	0.00	0%
Apartments Mid Rise	—	0%
Strip Mall	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
2023	1,905	522	0.05	0.01
2024	3,810	522	0.05	0.01
2025	1,905	522	0.05	0.01
2026	1,270	522	0.05	0.01

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	4
Electric Fireplaces	0
No Fireplaces	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0

Gas Fireplaces	0
Propane Fireplaces	4
Electric Fireplaces	0
No Fireplaces	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
1310233.7249999999	436,745	40,950	13,650	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Enclosed Parking with Elevator	1,796,989	455	0.0489	0.0069	0.00

High Turnover (Sit Down Restaurant)	700,628	455	0.0489	0.0069	958,230
Apartments Mid Rise	4,125,327	455	0.0489	0.0069	0.00
Strip Mall	195,379	455	0.0489	0.0069	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Enclosed Parking with Elevator	1,796,989	455	0.0489	0.0069	0.00
High Turnover (Sit Down Restaurant)	700,628	455	0.0489	0.0069	958,230
Apartments Mid Rise	4,125,327	455	0.0489	0.0069	0.00
Strip Mall	195,379	455	0.0489	0.0069	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Enclosed Parking with Elevator	0.00	0.00
High Turnover (Sit Down Restaurant)	4,143,235	0.00
Apartments Mid Rise	24,526,160	1,202,881
Strip Mall	1,011,090	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Enclosed Parking with Elevator	0.00	0.00
High Turnover (Sit Down Restaurant)	3,314,588	0.00

Apartments Mid Rise	19,620,928	962,305
Strip Mall	808,872	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Enclosed Parking with Elevator	0.00	0.00
High Turnover (Sit Down Restaurant)	162	0.00
Apartments Mid Rise	164	0.00
Strip Mall	14.3	0.00

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Enclosed Parking with Elevator	0.00	0.00
High Turnover (Sit Down Restaurant)	38.3	0.00
Apartments Mid Rise	38.8	0.00
Strip Mall	3.38	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0

High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
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5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	3.00	0.33	200	600	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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5.17. User Defined

Equipment Type	Fuel Type
—	—

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	8.06	annual days of extreme heat
Extreme Precipitation	4.50	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	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 ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. 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 (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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 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	40.0

AQ-PM	64.7
AQ-DPM	79.1
Drinking Water	71.7
Lead Risk Housing	21.1
Pesticides	0.00
Toxic Releases	80.8
Traffic	77.7
Effect Indicators	—
CleanUp Sites	74.4
Groundwater	86.2
Haz Waste Facilities/Generators	56.4
Impaired Water Bodies	99.6
Solid Waste	55.5
Sensitive Population	—
Asthma	13.1
Cardio-vascular	14.8
Low Birth Weights	54.8
Socioeconomic Factor Indicators	—
Education	18.8
Housing	78.1
Linguistic	41.4
Poverty	38.1
Unemployment	9.72

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
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Economic	—
Above Poverty	66.23893238
Employed	55.84498909
Median HI	76.76119595
Education	—
Bachelor's or higher	91.36404466
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	86.34672142
Active commuting	50.8020018
Social	—
2-parent households	9.80366996
Voting	64.49377647
Neighborhood	—
Alcohol availability	47.37585012
Park access	81.35506224
Retail density	58.1675863
Supermarket access	76.08109842
Tree canopy	50.8020018
Housing	—
Homeownership	50.58385731
Housing habitability	74.43859874
Low-inc homeowner severe housing cost burden	32.50352881
Low-inc renter severe housing cost burden	79.13512126
Uncrowded housing	92.9038881
Health Outcomes	—

Insured adults	81.30373412
Arthritis	17.5
Asthma ER Admissions	89.1
High Blood Pressure	15.4
Cancer (excluding skin)	6.6
Asthma	80.2
Coronary Heart Disease	17.4
Chronic Obstructive Pulmonary Disease	56.7
Diagnosed Diabetes	57.0
Life Expectancy at Birth	81.4
Cognitively Disabled	26.7
Physically Disabled	45.1
Heart Attack ER Admissions	91.5
Mental Health Not Good	87.0
Chronic Kidney Disease	45.1
Obesity	75.0
Pedestrian Injuries	48.4
Physical Health Not Good	70.2
Stroke	34.3
Health Risk Behaviors	—
Binge Drinking	71.2
Current Smoker	89.0
No Leisure Time for Physical Activity	82.1
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	61.9
Children	73.7

Elderly	6.3
English Speaking	52.1
Foreign-born	56.5
Outdoor Workers	98.2
Climate Change Adaptive Capacity	—
Impervious Surface Cover	12.3
Traffic Density	74.6
Traffic Access	64.6
Other Indices	—
Hardship	20.2
Other Decision Support	—
2016 Voting	64.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	49.0
Healthy Places Index Score for Project Location (b)	78.0
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
Characteristics: Utility Information	SB 100 for Year 2026
Land Use	Residential square footage consistent with Project Description 6.06 acre site
Construction: Construction Phases	See construction assumptions
Construction: Off-Road Equipment	see construction assumptions
Construction: Trips and VMT	see construction assumptions
Operations: Hearths	4 propane fire pits in common areas
Operations: Generators + Pumps EF	SCAQMD Rule 1470 Table 1 (Located at Sensitive Receptor (0.01 g PM/bhp-hr).
Characteristics: Project Details	South Coast Air Basin
Operations: Energy Use	see GHG parameters - adjustment for all electric ordinance less cooking for restaurant.
Construction: On-Road Fugitive Dust	Given Project site constraints (active construction zone and excavation across the site), it is conservatively assumed that haul trucks would be limited to approximately 15 mph on unpaved roads. Furthermore, much of the hauling activity for demolition would be on paved surfaces, but this analysis assumes 100% unpaved. In addition, all deliveries would be made to staging areas in which the surface would be stabilized. However, it was conservatively assumed that the surface would be water twice daily.
Construction: Dust From Material Movement	Compliance with SCAQMD Rule 403
Operations: Emergency Generators and Fire Pumps	Hours reflect SCAQMD Rule 1470 permitted hours.
Construction: Electricity	SB 100 for 2023

Paseo Marina - Project Option B (Year 2026) Localized Impacts Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

3. Construction Emissions Details

3.1. Demolition (2023) - Unmitigated

3.2. Demolition (2023) - Mitigated

3.3. Grading (2023) - Unmitigated

3.4. Grading (2023) - Mitigated

3.5. Grading (2024) - Unmitigated

3.6. Grading (2024) - Mitigated

3.7. Building Construction (2023) - Unmitigated

3.8. Building Construction (2023) - Mitigated

3.9. Building Construction (2024) - Unmitigated

3.10. Building Construction (2024) - Mitigated

3.11. Building Construction (2023) - Unmitigated

3.12. Building Construction (2023) - Mitigated

3.13. Building Construction (2024) - Unmitigated

3.14. Building Construction (2024) - Mitigated

3.15. Building Construction (2024) - Unmitigated

3.16. Building Construction (2024) - Mitigated

3.17. Building Construction (2024) - Unmitigated

3.18. Building Construction (2024) - Mitigated

- 3.19. Building Construction (2025) - Unmitigated
- 3.20. Building Construction (2025) - Mitigated
- 3.21. Building Construction (2024) - Unmitigated
- 3.22. Building Construction (2024) - Mitigated
- 3.23. Building Construction (2025) - Unmitigated
- 3.24. Building Construction (2025) - Mitigated
- 3.25. Building Construction (2026) - Unmitigated
- 3.26. Building Construction (2026) - Mitigated
- 3.27. Building Construction (2025) - Unmitigated
- 3.28. Building Construction (2025) - Mitigated
- 3.29. Building Construction (2026) - Unmitigated
- 3.30. Building Construction (2026) - Mitigated
- 3.31. Paving (2025) - Unmitigated
- 3.32. Paving (2025) - Mitigated
- 3.33. Paving (2026) - Unmitigated
- 3.34. Paving (2026) - Mitigated
- 3.35. Architectural Coating (2025) - Unmitigated

3.36. Architectural Coating (2025) - Mitigated

3.37. Architectural Coating (2026) - Unmitigated

3.38. Architectural Coating (2026) - Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.2. Unmitigated

4.3.1. Mitigated

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

4.4.1. Mitigated

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

4.5.1. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Paseo Marina - Project Option B (Year 2026) Localized Impacts
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	8.20
Location	13450 Maxella Ave, Marina Del Rey, CA 90292, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4428
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas

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 Office Building	90.0	1000sqft	0.00	90,000	0.00	—	—	—
Enclosed Parking with Elevator	1,287	Space	0.00	514,800	0.00	—	—	—

High Turnover (Sit Down Restaurant)	20.0	1000sqft	0.00	20,000	0.00	—	—	—
Apartments Mid Rise	425	Dwelling Unit	6.06	428,994	109,745	—	957	—
Strip Mall	20.0	1000sqft	0.00	20,000	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Water	W-7	Adopt a Water Conservation Strategy
Waste	S-1/S-2	Implement Waste Reduction Plan

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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	19.7	88.9	106	0.18	3.53	7.28	10.4	3.25	0.82	3.94	17,278
Mit.	16.6	56.8	155	0.25	0.70	7.28	7.60	0.67	0.82	1.36	24,073
% Reduced	16%	36%	-46%	-37%	80%	—	27%	79%	—	65%	-39%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	22.2	72.8	81.9	0.14	3.08	5.79	8.87	2.84	0.58	3.42	13,256
Mit.	17.4	45.7	117	0.19	0.71	5.79	6.51	0.68	0.58	1.26	18,153
% Reduced	22%	37%	-43%	-34%	77%	—	27%	76%	—	63%	-37%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—

Unmit.	8.72	50.3	57.9	0.10	1.96	3.41	5.36	1.80	0.34	2.14	9,478
Mit.	6.56	32.6	84.4	0.14	0.40	3.41	3.80	0.38	0.34	0.72	13,267
% Reduced	25%	35%	-46%	-37%	80%	—	29%	79%	—	66%	-40%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.59	9.19	10.6	0.02	0.36	0.62	0.98	0.33	0.06	0.39	1,569
Mit.	1.20	5.95	15.4	0.03	0.07	0.62	0.69	0.07	0.06	0.13	2,196
% Reduced	25%	35%	-46%	-37%	80%	—	29%	79%	—	66%	-40%

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	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
2023	5.69	50.1	61.5	0.10	2.22	7.28	9.51	2.04	0.82	2.87	9,560
2024	10.1	88.9	106	0.18	3.53	6.90	10.4	3.25	0.69	3.94	17,278
2025	19.6	41.1	49.7	0.09	1.48	2.30	3.78	1.36	0.23	1.59	8,183
2026	19.7	41.4	53.2	0.09	1.49	1.57	3.06	1.37	0.16	1.52	8,830
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2023	8.21	72.8	81.9	0.14	3.08	5.79	8.87	2.84	0.58	3.42	13,256
2024	7.73	69.3	81.5	0.14	2.75	5.79	8.54	2.53	0.58	3.11	13,240
2025	22.2	64.1	78.4	0.13	2.41	2.68	5.09	2.22	0.27	2.48	12,927
2026	21.8	61.1	78.0	0.13	2.14	2.68	4.82	1.97	0.27	2.24	12,917
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2023	3.11	27.3	32.9	0.05	1.22	3.04	4.26	1.12	0.33	1.45	5,229
2024	5.67	50.3	57.9	0.10	1.96	3.41	5.36	1.80	0.34	2.14	9,478
2025	8.72	29.5	35.8	0.06	1.07	1.57	2.64	0.98	0.16	1.14	5,890
2026	7.06	15.8	20.3	0.03	0.56	0.62	1.18	0.52	0.06	0.58	3,361

Annual	—	—	—	—	—	—	—	—	—	—	—
2023	0.57	4.98	6.01	0.01	0.22	0.56	0.78	0.20	0.06	0.26	866
2024	1.03	9.19	10.6	0.02	0.36	0.62	0.98	0.33	0.06	0.39	1,569
2025	1.59	5.39	6.53	0.01	0.20	0.29	0.48	0.18	0.03	0.21	975
2026	1.29	2.88	3.70	0.01	0.10	0.11	0.22	0.09	0.01	0.11	557

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	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
2023	2.26	30.0	83.8	0.13	0.53	7.28	7.60	0.50	0.82	1.13	12,745
2024	3.83	56.8	155	0.25	0.70	6.90	7.60	0.67	0.69	1.36	24,073
2025	16.6	27.2	73.6	0.12	0.26	2.30	2.56	0.25	0.23	0.48	11,673
2026	16.6	25.1	72.9	0.12	0.28	1.57	1.86	0.28	0.16	0.43	11,333
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2023	3.22	45.7	117	0.19	0.71	5.79	6.51	0.68	0.58	1.26	18,153
2024	3.19	45.5	117	0.19	0.69	5.79	6.48	0.66	0.58	1.24	18,138
2025	17.4	38.8	110	0.18	0.41	2.68	3.10	0.40	0.27	0.67	17,175
2026	17.4	38.8	110	0.18	0.41	2.68	3.10	0.40	0.27	0.67	17,164
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2023	1.14	15.9	45.9	0.07	0.24	3.04	3.29	0.23	0.33	0.56	6,898
2024	2.14	32.6	84.4	0.14	0.40	3.41	3.80	0.38	0.34	0.72	13,267
2025	6.56	19.3	52.6	0.09	0.19	1.57	1.76	0.18	0.16	0.34	8,326
2026	5.90	9.66	27.9	0.04	0.11	0.62	0.73	0.11	0.06	0.17	4,347
Annual	—	—	—	—	—	—	—	—	—	—	—
2023	0.21	2.91	8.38	0.01	0.04	0.56	0.60	0.04	0.06	0.10	1,142

2024	0.39	5.95	15.4	0.03	0.07	0.62	0.69	0.07	0.06	0.13	2,196
2025	1.20	3.52	9.59	0.02	0.03	0.29	0.32	0.03	0.03	0.06	1,378
2026	1.08	1.76	5.10	0.01	0.02	0.11	0.13	0.02	0.01	0.03	720

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	21.8	2.01	57.5	0.01	0.11	0.00	0.11	0.12	0.00	0.12	13,527
Mit.	21.8	2.01	57.5	0.01	0.11	0.00	0.11	0.12	0.00	0.12	12,554
% Reduced	—	—	—	—	—	—	—	—	—	—	7%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	15.0	1.54	5.41	0.01	0.06	0.00	0.06	0.06	0.00	0.06	13,342
Mit.	15.0	1.54	5.41	0.01	0.06	0.00	0.06	0.06	0.00	0.06	12,369
% Reduced	—	—	—	—	—	—	—	—	—	—	7%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	20.9	2.49	44.4	0.02	0.10	0.00	0.10	0.11	0.00	0.11	14,129
Mit.	20.9	2.49	44.4	0.02	0.10	0.00	0.10	0.11	0.00	0.11	13,157
% Reduced	—	—	—	—	—	—	—	—	—	—	7%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.82	0.45	8.10	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	2,339
Mit.	3.82	0.45	8.10	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	2,178
% Reduced	—	—	—	—	—	—	—	—	—	—	7%

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Area	19.8	0.67	52.3	< 0.005	0.06	—	0.06	0.07	—	0.07	381
Energy	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	10,341
Water	—	—	—	—	—	—	—	—	—	—	673
Waste	—	—	—	—	—	—	—	—	—	—	1,097
Refrig.	—	—	—	—	—	—	—	—	—	—	34.7
Stationary	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	21.8	2.01	57.5	0.01	0.11	0.00	0.11	0.12	0.00	0.12	13,527
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Area	13.0	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Energy	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	10,341
Water	—	—	—	—	—	—	—	—	—	—	673
Waste	—	—	—	—	—	—	—	—	—	—	1,097
Refrig.	—	—	—	—	—	—	—	—	—	—	34.7
Stationary	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	15.0	1.54	5.41	0.01	0.06	0.00	0.06	0.06	0.00	0.06	13,342
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Area	17.7	0.53	35.8	< 0.005	0.04	—	0.04	0.05	—	0.05	323
Energy	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	10,341
Water	—	—	—	—	—	—	—	—	—	—	673
Waste	—	—	—	—	—	—	—	—	—	—	1,097

Refrig.	—	—	—	—	—	—	—	—	—	—	34.7
Stationary	3.24	1.59	8.25	0.02	0.03	—	0.03	0.03	—	0.03	1,662
Total	20.9	2.49	44.4	0.02	0.10	0.00	0.10	0.11	0.00	0.11	14,129
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Area	3.22	0.10	6.54	< 0.005	0.01	—	0.01	0.01	—	0.01	53.4
Energy	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	1,712
Water	—	—	—	—	—	—	—	—	—	—	111
Waste	—	—	—	—	—	—	—	—	—	—	182
Refrig.	—	—	—	—	—	—	—	—	—	—	5.74
Stationary	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275
Total	3.82	0.45	8.10	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	2,339

2.6. Operations Emissions by Sector, Mitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Area	19.8	0.67	52.3	< 0.005	0.06	—	0.06	0.07	—	0.07	381
Energy	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	10,341
Water	—	—	—	—	—	—	—	—	—	—	538
Waste	—	—	—	—	—	—	—	—	—	—	259
Refrig.	—	—	—	—	—	—	—	—	—	—	34.7
Stationary	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	21.8	2.01	57.5	0.01	0.11	0.00	0.11	0.12	0.00	0.12	12,554
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Paseo Marina - Project Option B (Year 2026) Localized Impacts Detailed Report, 2/23/2023

Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Area	13.0	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Energy	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	10,341
Water	—	—	—	—	—	—	—	—	—	—	538
Waste	—	—	—	—	—	—	—	—	—	—	259
Refrig.	—	—	—	—	—	—	—	—	—	—	34.7
Stationary	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	15.0	1.54	5.41	0.01	0.06	0.00	0.06	0.06	0.00	0.06	12,369
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Area	17.7	0.53	35.8	< 0.005	0.04	—	0.04	0.05	—	0.05	323
Energy	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	10,341
Water	—	—	—	—	—	—	—	—	—	—	538
Waste	—	—	—	—	—	—	—	—	—	—	259
Refrig.	—	—	—	—	—	—	—	—	—	—	34.7
Stationary	3.24	1.59	8.25	0.02	0.03	—	0.03	0.03	—	0.03	1,662
Total	20.9	2.49	44.4	0.02	0.10	0.00	0.10	0.11	0.00	0.11	13,157
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Area	3.22	0.10	6.54	< 0.005	0.01	—	0.01	0.01	—	0.01	53.4
Energy	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	1,712
Water	—	—	—	—	—	—	—	—	—	—	89.1
Waste	—	—	—	—	—	—	—	—	—	—	42.9
Refrig.	—	—	—	—	—	—	—	—	—	—	5.74
Stationary	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275
Total	3.82	0.45	8.10	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	2,178

3. Construction Emissions Details

3.1. Demolition (2023) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.46	20.6	27.2	0.04	1.04	—	1.04	0.96	—	0.96	4,104
Demolition	—	—	—	—	—	1.83	1.83	—	0.28	0.28	—
Onsite truck	0.05	0.99	0.73	< 0.005	< 0.005	1.89	1.89	< 0.005	0.19	0.19	144
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.46	20.6	27.2	0.04	1.04	—	1.04	0.96	—	0.96	4,104
Demolition	—	—	—	—	—	1.83	1.83	—	0.28	0.28	—
Onsite truck	0.04	1.03	0.75	< 0.005	< 0.005	1.89	1.89	< 0.005	0.19	0.19	146
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.57	4.79	6.33	0.01	0.24	—	0.24	0.22	—	0.22	956
Demolition	—	—	—	—	—	0.43	0.43	—	0.06	0.06	—
Onsite truck	0.01	0.23	0.17	< 0.005	< 0.005	0.44	0.44	< 0.005	0.04	0.04	33.7
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.87	1.16	< 0.005	0.04	—	0.04	0.04	—	0.04	158
Demolition	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	5.58
Offsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Demolition (2023) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	11.3	34.2	0.05	0.12	—	0.12	0.11	—	0.11	4,879
Demolition	—	—	—	—	—	1.83	1.83	—	0.28	0.28	—
Onsite truck	0.05	0.99	0.73	< 0.005	< 0.005	1.89	1.89	< 0.005	0.19	0.19	144

Paseo Marina - Project Option B (Year 2026) Localized Impacts Detailed Report, 2/23/2023

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	11.3	34.2	0.05	0.12	—	0.12	0.11	—	0.11	4,879
Demolition	—	—	—	—	—	1.83	1.83	—	0.28	0.28	—
Onsite truck	0.04	1.03	0.75	< 0.005	< 0.005	1.89	1.89	< 0.005	0.19	0.19	146
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	2.62	7.96	0.01	0.03	—	0.03	0.03	—	0.03	1,136
Demolition	—	—	—	—	—	0.43	0.43	—	0.06	0.06	—
Onsite truck	0.01	0.23	0.17	< 0.005	< 0.005	0.44	0.44	< 0.005	0.04	0.04	33.7
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.48	1.45	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	188
Demolition	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	5.58
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2023) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.80	23.5	32.3	0.05	1.18	—	1.18	1.08	—	1.08	5,038
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.09	1.86	1.37	< 0.005	< 0.005	3.56	3.56	< 0.005	0.36	0.36	271
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.80	23.5	32.3	0.05	1.18	—	1.18	1.08	—	1.08	5,038
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.07	1.95	1.41	< 0.005	< 0.005	3.56	3.56	< 0.005	0.36	0.36	274
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.34	11.3	15.5	0.02	0.56	—	0.56	0.52	—	0.52	2,415

Paseo Marina - Project Option B (Year 2026) Localized Impacts Detailed Report, 2/23/2023

Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.04	0.91	0.66	< 0.005	< 0.005	1.70	1.71	< 0.005	0.17	0.17	131
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	2.06	2.82	< 0.005	0.10	—	0.10	0.09	—	0.09	400
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.01	0.17	0.12	< 0.005	< 0.005	0.31	0.31	< 0.005	0.03	0.03	21.6
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Grading (2023) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	10.5	46.9	0.07	0.20	—	0.20	0.19	—	0.19	6,752
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.09	1.86	1.37	< 0.005	< 0.005	3.56	3.56	< 0.005	0.36	0.36	271
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	10.5	46.9	0.07	0.20	—	0.20	0.19	—	0.19	6,752
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.07	1.95	1.41	< 0.005	< 0.005	3.56	3.56	< 0.005	0.36	0.36	274
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	5.01	22.5	0.03	0.10	—	0.10	0.09	—	0.09	3,237
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.04	0.91	0.66	< 0.005	< 0.005	1.70	1.71	< 0.005	0.17	0.17	131
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.91	4.10	0.01	0.02	—	0.02	0.02	—	0.02	536

Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.01	0.17	0.12	< 0.005	< 0.005	0.31	0.31	< 0.005	0.03	0.03	21.6
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—

Paseo Marina - Project Option B (Year 2026) Localized Impacts Detailed Report, 2/23/2023

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.62	21.9	32.2	0.05	1.04	—	1.04	0.96	—	0.96	5,035
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.08	1.84	1.36	< 0.005	< 0.005	3.56	3.56	< 0.005	0.36	0.36	267
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.62	21.9	32.2	0.05	1.04	—	1.04	0.96	—	0.96	5,035
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.07	1.93	1.41	< 0.005	< 0.005	3.56	3.56	< 0.005	0.36	0.36	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	7.92	11.6	0.02	0.38	—	0.38	0.35	—	0.35	1,823
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.03	0.68	0.50	< 0.005	< 0.005	1.29	1.29	< 0.005	0.13	0.13	97.0
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	1.45	2.12	< 0.005	0.07	—	0.07	0.06	—	0.06	302
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.01	0.12	0.09	< 0.005	< 0.005	0.23	0.23	< 0.005	0.02	0.02	16.1
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Grading (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	10.4	46.9	0.07	0.20	—	0.20	0.19	—	0.19	6,750
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.08	1.84	1.36	< 0.005	< 0.005	3.56	3.56	< 0.005	0.36	0.36	267

Paseo Marina - Project Option B (Year 2026) Localized Impacts Detailed Report, 2/23/2023

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	10.4	46.9	0.07	0.20	—	0.20	0.19	—	0.19	6,750
Dust From Material Movement	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—
Onsite truck	0.07	1.93	1.41	< 0.005	< 0.005	3.56	3.56	< 0.005	0.36	0.36	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	3.78	17.0	0.02	0.07	—	0.07	0.07	—	0.07	2,444
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.03	0.68	0.50	< 0.005	< 0.005	1.29	1.29	< 0.005	0.13	0.13	97.0
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.69	3.10	< 0.005	0.01	—	0.01	0.01	—	0.01	405
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.01	0.12	0.09	< 0.005	< 0.005	0.23	0.23	< 0.005	0.02	0.02	16.1
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2023) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.70	22.6	23.7	0.04	1.03	—	1.03	0.94	—	0.94	3,857
Onsite truck	0.09	2.01	1.49	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	271
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.70	22.6	23.7	0.04	1.03	—	1.03	0.94	—	0.94	3,857
Onsite truck	0.08	2.10	1.54	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	274
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	6.78	7.09	0.01	0.31	—	0.31	0.28	—	0.28	1,155
Onsite truck	0.03	0.61	0.45	< 0.005	< 0.005	0.33	0.33	< 0.005	0.03	0.03	81.5
Annual	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.15	1.24	1.29	< 0.005	0.06	—	0.06	0.05	—	0.05	191
Onsite truck	< 0.005	0.11	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.01	13.5
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2023) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Paseo Marina - Project Option B (Year 2026) Localized Impacts Detailed Report, 2/23/2023

Off-Road Equipment	1.14	15.6	34.1	0.06	0.33	—	0.33	0.31	—	0.31	5,449
Onsite truck	0.09	2.01	1.49	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	271
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.14	15.6	34.1	0.06	0.33	—	0.33	0.31	—	0.31	5,449
Onsite truck	0.08	2.10	1.54	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	274
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	4.68	10.2	0.02	0.10	—	0.10	0.09	—	0.09	1,632
Onsite truck	0.03	0.61	0.45	< 0.005	< 0.005	0.33	0.33	< 0.005	0.03	0.03	81.5
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.85	1.86	< 0.005	0.02	—	0.02	0.02	—	0.02	270
Onsite truck	< 0.005	0.11	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.01	13.5
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.54	21.6	23.5	0.04	0.92	—	0.92	0.84	—	0.84	3,857
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	3.85	4.19	0.01	0.16	—	0.16	0.15	—	0.15	687
Onsite truck	0.02	0.36	0.27	< 0.005	< 0.005	0.20	0.20	< 0.005	0.02	0.02	47.7
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.70	0.76	< 0.005	0.03	—	0.03	0.03	—	0.03	114
Onsite truck	< 0.005	0.07	0.05	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	7.90
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.11	15.5	34.0	0.06	0.31	—	0.31	0.29	—	0.29	5,449
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	2.75	6.06	0.01	0.06	—	0.06	0.05	—	0.05	970
Onsite truck	0.02	0.36	0.27	< 0.005	< 0.005	0.20	0.20	< 0.005	0.02	0.02	47.7
Annual	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.04	0.50	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	161
Onsite truck	< 0.005	0.07	0.05	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	7.90
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2023) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.47	20.5	21.5	0.04	0.88	—	0.88	0.81	—	0.81	3,535
Onsite truck	0.08	2.10	1.54	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	274
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	2.45	2.57	< 0.005	0.11	—	0.11	0.10	—	0.10	422
Onsite truck	0.01	0.24	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.01	0.01	32.5
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.45	0.47	< 0.005	0.02	—	0.02	0.02	—	0.02	69.9
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	5.38
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2023) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	13.5	31.9	0.06	0.18	—	0.18	0.18	—	0.18	5,127
Onsite truck	0.08	2.10	1.54	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	274
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	1.61	3.81	0.01	0.02	—	0.02	0.02	—	0.02	612
Onsite truck	0.01	0.24	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.01	0.01	32.5
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.29	0.69	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	101
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	5.38
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.33	19.7	21.3	0.04	0.79	—	0.79	0.73	—	0.73	3,535
Onsite truck	0.09	1.99	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.33	19.7	21.3	0.04	0.79	—	0.79	0.73	—	0.73	3,535
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	7.00	7.60	0.01	0.28	—	0.28	0.26	—	0.26	1,259
Onsite truck	0.03	0.72	0.54	< 0.005	< 0.005	0.40	0.40	< 0.005	0.04	0.04	95.4
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	1.28	1.39	< 0.005	0.05	—	0.05	0.05	—	0.05	208
Onsite truck	0.01	0.13	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	15.8
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	13.5	31.9	0.06	0.18	—	0.18	0.18	—	0.18	5,127
Onsite truck	0.09	1.99	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Paseo Marina - Project Option B (Year 2026) Localized Impacts Detailed Report, 2/23/2023

Off-Road Equipment	0.91	13.5	31.9	0.06	0.18	—	0.18	0.18	—	0.18	5,127
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	4.81	11.4	0.02	0.07	—	0.07	0.06	—	0.06	1,826
Onsite truck	0.03	0.72	0.54	< 0.005	< 0.005	0.40	0.40	< 0.005	0.04	0.04	95.4
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.88	2.07	< 0.005	0.01	—	0.01	0.01	—	0.01	302
Onsite truck	0.01	0.13	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	15.8
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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3.15. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.33	19.7	21.3	0.04	0.79	—	0.79	0.73	—	0.73	3,535
Onsite truck	0.09	1.99	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.33	19.7	21.3	0.04	0.79	—	0.79	0.73	—	0.73	3,535
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.10	9.26	10.1	0.02	0.37	—	0.37	0.34	—	0.34	1,666
Onsite truck	0.04	0.96	0.71	< 0.005	< 0.005	0.52	0.52	< 0.005	0.05	0.05	126
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	1.69	1.84	< 0.005	0.07	—	0.07	0.06	—	0.06	276
Onsite truck	0.01	0.17	0.13	< 0.005	< 0.005	0.10	0.10	< 0.005	0.01	0.01	20.9
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	13.5	31.9	0.06	0.18	—	0.18	0.18	—	0.18	5,127
Onsite truck	0.09	1.99	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	13.5	31.9	0.06	0.18	—	0.18	0.18	—	0.18	5,127
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Paseo Marina - Project Option B (Year 2026) Localized Impacts Detailed Report, 2/23/2023

Off-Road Equipment	0.43	6.36	15.0	0.03	0.09	—	0.09	0.08	—	0.08	2,416
Onsite truck	0.04	0.96	0.71	< 0.005	< 0.005	0.52	0.52	< 0.005	0.05	0.05	126
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	1.16	2.74	< 0.005	0.02	—	0.02	0.02	—	0.02	400
Onsite truck	0.01	0.17	0.13	< 0.005	< 0.005	0.10	0.10	< 0.005	0.01	0.01	20.9
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Building Construction (2024) - Unmitigated

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

Paseo Marina - Project Option B (Year 2026) Localized Impacts Detailed Report, 2/23/2023

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.39	19.8	23.5	0.04	0.85	—	0.85	0.78	—	0.78	3,820
Onsite truck	0.09	1.99	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.39	19.8	23.5	0.04	0.85	—	0.85	0.78	—	0.78	3,820
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.29	10.6	12.6	0.02	0.46	—	0.46	0.42	—	0.42	2,056
Onsite truck	0.05	1.09	0.81	< 0.005	< 0.005	0.60	0.60	< 0.005	0.06	0.06	144
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	1.94	2.31	< 0.005	0.08	—	0.08	0.08	—	0.08	340
Onsite truck	0.01	0.20	0.15	< 0.005	< 0.005	0.11	0.11	< 0.005	0.01	0.01	23.9
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.18. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.09	1.99	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	6.20	19.0	0.03	0.07	—	0.07	0.07	—	0.07	2,994
Onsite truck	0.05	1.09	0.81	< 0.005	< 0.005	0.60	0.60	< 0.005	0.06	0.06	144
Annual	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.07	1.13	3.46	0.01	0.01	—	0.01	0.01	—	0.01	496
Onsite truck	0.01	0.20	0.15	< 0.005	< 0.005	0.11	0.11	< 0.005	0.01	0.01	23.9
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Paseo Marina - Project Option B (Year 2026) Localized Impacts Detailed Report, 2/23/2023

Off-Road Equipment	2.23	18.5	23.3	0.04	0.74	—	0.74	0.68	—	0.68	3,819
Onsite truck	0.09	1.98	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	262
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.23	18.5	23.3	0.04	0.74	—	0.74	0.68	—	0.68	3,819
Onsite truck	0.08	2.07	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.33	11.0	13.9	0.02	0.44	—	0.44	0.41	—	0.41	2,272
Onsite truck	0.05	1.20	0.90	< 0.005	< 0.005	0.66	0.66	< 0.005	0.07	0.07	157
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	2.01	2.53	< 0.005	0.08	—	0.08	0.07	—	0.07	376
Onsite truck	0.01	0.22	0.16	< 0.005	< 0.005	0.12	0.12	< 0.005	0.01	0.01	26.0
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.20. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.09	1.98	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	262
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.08	2.07	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	6.86	21.0	0.03	0.08	—	0.08	0.08	—	0.08	3,310
Onsite truck	0.05	1.20	0.90	< 0.005	< 0.005	0.66	0.66	< 0.005	0.07	0.07	157
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	1.25	3.83	0.01	0.01	—	0.01	0.01	—	0.01	548
Onsite truck	0.01	0.22	0.16	< 0.005	< 0.005	0.12	0.12	< 0.005	0.01	0.01	26.0
Offsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.39	19.8	23.5	0.04	0.85	—	0.85	0.78	—	0.78	3,820
Onsite truck	0.09	1.99	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266

Paseo Marina - Project Option B (Year 2026) Localized Impacts Detailed Report, 2/23/2023

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.39	19.8	23.5	0.04	0.85	—	0.85	0.78	—	0.78	3,820
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.86	7.11	8.45	0.01	0.31	—	0.31	0.28	—	0.28	1,375
Onsite truck	0.03	0.73	0.54	< 0.005	< 0.005	0.40	0.40	< 0.005	0.04	0.04	96.4
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.30	1.54	< 0.005	0.06	—	0.06	0.05	—	0.05	228
Onsite truck	0.01	0.13	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	16.0
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.22. Building Construction (2024) - 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.09	1.99	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.08	2.08	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	270
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	4.15	12.7	0.02	0.05	—	0.05	0.05	—	0.05	2,004
Onsite truck	0.03	0.73	0.54	< 0.005	< 0.005	0.40	0.40	< 0.005	0.04	0.04	96.4
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.76	2.32	< 0.005	0.01	—	0.01	0.01	—	0.01	332
Onsite truck	0.01	0.13	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	16.0
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.23. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.23	18.5	23.3	0.04	0.74	—	0.74	0.68	—	0.68	3,819
Onsite truck	0.09	1.98	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	262
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.23	18.5	23.3	0.04	0.74	—	0.74	0.68	—	0.68	3,819
Onsite truck	0.08	2.07	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266

Paseo Marina - Project Option B (Year 2026) Localized Impacts Detailed Report, 2/23/2023

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.59	13.2	16.7	0.03	0.53	—	0.53	0.49	—	0.49	2,728
Onsite truck	0.06	1.44	1.08	< 0.005	< 0.005	0.79	0.79	< 0.005	0.08	0.08	188
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	2.41	3.04	0.01	0.10	—	0.10	0.09	—	0.09	452
Onsite truck	0.01	0.26	0.20	< 0.005	< 0.005	0.14	0.14	< 0.005	0.01	0.01	31.2
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.24. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.09	1.98	1.48	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	262
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.08	2.07	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	8.23	25.2	0.04	0.09	—	0.09	0.09	—	0.09	3,974
Onsite truck	0.06	1.44	1.08	< 0.005	< 0.005	0.79	0.79	< 0.005	0.08	0.08	188
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	1.50	4.59	0.01	0.02	—	0.02	0.02	—	0.02	658
Onsite truck	0.01	0.26	0.20	< 0.005	< 0.005	0.14	0.14	< 0.005	0.01	0.01	31.2
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.25. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.11	17.6	23.2	0.04	0.65	—	0.65	0.60	—	0.60	3,819
Onsite truck	0.08	2.05	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	262
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.07	1.41	< 0.005	0.04	—	0.04	0.04	—	0.04	232
Onsite truck	0.01	0.12	0.09	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	15.8
Annual	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.02	0.19	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	38.4
Onsite truck	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	2.61
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.26. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.08	2.05	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	262
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.70	2.14	< 0.005	0.01	—	0.01	0.01	—	0.01	338
Onsite truck	0.01	0.12	0.09	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	15.8
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.13	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	55.9
Onsite truck	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	2.61
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.27. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.23	18.5	23.3	0.04	0.74	—	0.74	0.68	—	0.68	3,819
Onsite truck	0.08	2.07	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	1.12	1.41	< 0.005	0.04	—	0.04	0.04	—	0.04	232
Onsite truck	0.01	0.12	0.09	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	16.0
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.20	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	38.4
Onsite truck	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	2.65
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.28. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.08	2.07	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	266
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.70	2.14	< 0.005	0.01	—	0.01	0.01	—	0.01	338
Onsite truck	0.01	0.12	0.09	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	16.0
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.13	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	55.9
Onsite truck	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	2.65
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.29. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.11	17.6	23.2	0.04	0.65	—	0.65	0.60	—	0.60	3,819
Onsite truck	0.09	1.95	1.49	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	258
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.11	17.6	23.2	0.04	0.65	—	0.65	0.60	—	0.60	3,819
Onsite truck	0.08	2.05	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	262
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	6.15	8.12	0.01	0.23	—	0.23	0.21	—	0.21	1,338
Onsite truck	0.03	0.70	0.53	< 0.005	< 0.005	0.39	0.39	< 0.005	0.04	0.04	91.1

Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.12	1.48	< 0.005	0.04	—	0.04	0.04	—	0.04	221
Onsite truck	0.01	0.13	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	15.1
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.30. Building Construction (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—

Paseo Marina - Project Option B (Year 2026) Localized Impacts Detailed Report, 2/23/2023

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.09	1.95	1.49	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	258
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	11.5	35.2	0.06	0.13	—	0.13	0.13	—	0.13	5,564
Onsite truck	0.08	2.05	1.53	< 0.005	< 0.005	1.11	1.11	< 0.005	0.11	0.11	262
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	4.04	12.3	0.02	0.05	—	0.05	0.04	—	0.04	1,949
Onsite truck	0.03	0.70	0.53	< 0.005	< 0.005	0.39	0.39	< 0.005	0.04	0.04	91.1
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.74	2.25	< 0.005	0.01	—	0.01	0.01	—	0.01	323
Onsite truck	0.01	0.13	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	15.1
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.31. Paving (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.60	22.1	28.1	0.05	0.93	—	0.93	0.85	—	0.85	4,645
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.71	0.53	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	91.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.34	1.70	< 0.005	0.06	—	0.06	0.05	—	0.05	282
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	5.48
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.25	0.31	< 0.005	0.01	—	0.01	0.01	—	0.01	46.7
Paving	0.00	—	—	—	—	—	—	—	—	—	—

Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.91
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.32. Paving (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.79	10.8	35.6	0.05	0.16	—	0.16	0.15	—	0.15	5,404
Paving	0.00	—	—	—	—	—	—	—	—	—	—

Paseo Marina - Project Option B (Year 2026) Localized Impacts Detailed Report, 2/23/2023

Onsite truck	0.03	0.71	0.53	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	91.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.65	2.16	< 0.005	0.01	—	0.01	0.01	—	0.01	328
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	5.48
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.12	0.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	54.3
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.91
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.33. 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.47	21.1	27.9	0.05	0.83	—	0.83	0.76	—	0.76	4,644
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.67	0.51	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	88.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.47	21.1	27.9	0.05	0.83	—	0.83	0.76	—	0.76	4,644
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.70	0.53	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	89.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	7.46	9.89	0.02	0.29	—	0.29	0.27	—	0.27	1,645
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.24	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.01	0.01	31.6
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.36	1.81	< 0.005	0.05	—	0.05	0.05	—	0.05	272
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	5.23
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.34. 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.79	10.8	35.6	0.05	0.16	—	0.16	0.15	—	0.15	5,402
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.67	0.51	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	88.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Paseo Marina - Project Option B (Year 2026) Localized Impacts Detailed Report, 2/23/2023

Off-Road Equipment	0.79	10.8	35.6	0.05	0.16	—	0.16	0.15	—	0.15	5,402
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.03	0.70	0.53	< 0.005	< 0.005	0.38	0.38	< 0.005	0.04	0.04	89.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	3.81	12.6	0.02	0.05	—	0.05	0.05	—	0.05	1,914
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.24	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.01	0.01	31.6
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.70	2.30	< 0.005	0.01	—	0.01	0.01	—	0.01	317
Paving	0.00	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	5.23
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.35. Architectural Coating (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	15.0	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.14	0.11	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	18.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	15.0	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.15	0.11	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	19.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.39	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.05	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	6.78
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.98	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	1.12
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.36. Architectural Coating (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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	15.0	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.14	0.11	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	18.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Paseo Marina - Project Option B (Year 2026) Localized Impacts Detailed Report, 2/23/2023

Architectural Coatings	15.0	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.15	0.11	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	19.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.39	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.05	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	6.78
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.98	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	1.12
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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3.37. 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	15.0	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.14	0.11	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	18.5
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	15.0	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.15	0.11	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	18.7
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.27	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.05	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	6.54
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.96	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	1.08
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.38. 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	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	15.0	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.14	0.11	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	18.5
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	15.0	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.01	0.15	0.11	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	18.7
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	5.27	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.05	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	6.54
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.96	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	1.08
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	2,509
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	2,386
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1,289
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3,345
Strip Mall	—	—	—	—	—	—	—	—	—	—	359
Total	—	—	—	—	—	—	—	—	—	—	9,889
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	2,509

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	2,386
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1,289
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3,345
Strip Mall	—	—	—	—	—	—	—	—	—	—	359
Total	—	—	—	—	—	—	—	—	—	—	9,889
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	415
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	395
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	213
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	554
Strip Mall	—	—	—	—	—	—	—	—	—	—	59.5
Total	—	—	—	—	—	—	—	—	—	—	1,637

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	2,509

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	2,386
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1,289
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3,345
Strip Mall	—	—	—	—	—	—	—	—	—	—	359
Total	—	—	—	—	—	—	—	—	—	—	9,889
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	2,509
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	2,386
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1,289
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3,345
Strip Mall	—	—	—	—	—	—	—	—	—	—	359
Total	—	—	—	—	—	—	—	—	—	—	9,889
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	415
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	395
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	213

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	554
Strip Mall	—	—	—	—	—	—	—	—	—	—	59.5
Total	—	—	—	—	—	—	—	—	—	—	1,637

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	451
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	451
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	451

Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	451
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	74.7
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	74.7

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	451

Paseo Marina - Project Option B (Year 2026) Localized Impacts Detailed Report, 2/23/2023

Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	451
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	451
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	451
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	74.7
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	74.7

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.02	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Consumer Products	12.0	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.07	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	6.74	0.47	52.1	< 0.005	0.05	—	0.05	0.06	—	0.06	185
Total	19.8	0.67	52.3	< 0.005	0.06	—	0.06	0.07	—	0.07	381
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.02	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Consumer Products	12.0	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.07	—	—	—	—	—	—	—	—	—	—
Total	13.0	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Annual	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	0.04	0.02	0.00	< 0.005	—	< 0.005	< 0.005	—	< 0.005	32.4
Consumer Products	2.18	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.19	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.84	0.06	6.52	< 0.005	0.01	—	0.01	0.01	—	0.01	21.0

Total	3.22	0.10	6.54	< 0.005	0.01	—	0.01	0.01	—	0.01	53.4
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4.3.1. Mitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.02	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Consumer Products	12.0	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.07	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	6.74	0.47	52.1	< 0.005	0.05	—	0.05	0.06	—	0.06	185
Total	19.8	0.67	52.3	< 0.005	0.06	—	0.06	0.07	—	0.07	381
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.02	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Consumer Products	12.0	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.07	—	—	—	—	—	—	—	—	—	—
Total	13.0	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Annual	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	0.04	0.02	0.00	< 0.005	—	< 0.005	< 0.005	—	< 0.005	32.4
Consumer Products	2.18	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.19	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.84	0.06	6.52	< 0.005	0.01	—	0.01	0.01	—	0.01	21.0

Total	3.22	0.10	6.54	< 0.005	0.01	—	0.01	0.01	—	0.01	53.4
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4.4. Water Emissions by Land Use

4.4.2. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	268
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	102
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	278
Strip Mall	—	—	—	—	—	—	—	—	—	—	24.8
Total	—	—	—	—	—	—	—	—	—	—	673
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	268
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	102
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	278

Strip Mall	—	—	—	—	—	—	—	—	—	—	24.8
Total	—	—	—	—	—	—	—	—	—	—	673
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	44.4
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	16.9
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	46.0
Strip Mall	—	—	—	—	—	—	—	—	—	—	4.11
Total	—	—	—	—	—	—	—	—	—	—	111

4.4.1. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	215
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	81.4
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	223
Strip Mall	—	—	—	—	—	—	—	—	—	—	19.9

Total	—	—	—	—	—	—	—	—	—	—	538
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	215
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	81.4
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	223
Strip Mall	—	—	—	—	—	—	—	—	—	—	19.9
Total	—	—	—	—	—	—	—	—	—	—	538
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	35.5
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	13.5
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	36.8
Strip Mall	—	—	—	—	—	—	—	—	—	—	3.29
Total	—	—	—	—	—	—	—	—	—	—	89.1

4.5. Waste Emissions by Land Use

4.5.2. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	158
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	449
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	451
Strip Mall	—	—	—	—	—	—	—	—	—	—	39.6
Total	—	—	—	—	—	—	—	—	—	—	1,097
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	158
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	449
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	451
Strip Mall	—	—	—	—	—	—	—	—	—	—	39.6
Total	—	—	—	—	—	—	—	—	—	—	1,097
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	26.1

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	74.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	74.6
Strip Mall	—	—	—	—	—	—	—	—	—	—	6.56
Total	—	—	—	—	—	—	—	—	—	—	182

4.5.1. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	37.2
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	106
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	106
Strip Mall	—	—	—	—	—	—	—	—	—	—	9.34
Total	—	—	—	—	—	—	—	—	—	—	259
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	37.2

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	106
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	106
Strip Mall	—	—	—	—	—	—	—	—	—	—	9.34
Total	—	—	—	—	—	—	—	—	—	—	259
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	6.17
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	17.5
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	17.6
Strip Mall	—	—	—	—	—	—	—	—	—	—	1.55
Total	—	—	—	—	—	—	—	—	—	—	42.9

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

General Office Building	—	—	—	—	—	—	—	—	—	—	0.22
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	31.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3.07
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.12
Total	—	—	—	—	—	—	—	—	—	—	34.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.22
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	31.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3.07
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.12
Total	—	—	—	—	—	—	—	—	—	—	34.7
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.04
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	5.18
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.51
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.02
Total	—	—	—	—	—	—	—	—	—	—	5.74

4.6.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.22
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	31.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3.07
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.12
Total	—	—	—	—	—	—	—	—	—	—	34.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.22
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	31.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3.07
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.12
Total	—	—	—	—	—	—	—	—	—	—	34.7
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.04
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	5.18
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.51
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.02

Total	—	—	—	—	—	—	—	—	—	—	5.74
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4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Annual	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275
Total	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275

4.8.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Annual	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275
Total	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

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	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	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	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	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	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	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	2/1/2023	5/30/2023	5.00	85.0	—
Grading	Grading	5/1/2023	7/3/2024	5.00	308	—
Podium Building 3	Building Construction	8/1/2023	3/31/2024	5.00	174	—
Podium Building 1	Building Construction	11/1/2023	6/30/2024	5.00	173	—
Podium Building 2	Building Construction	5/4/2024	12/31/2024	5.00	172	—
Building Construction 3	Building Construction	4/1/2024	10/31/2025	5.00	415	—
Building Construction 1	Building Construction	7/1/2024	1/31/2026	5.00	415	—
Building Construction 2	Building Construction	12/1/2025	6/28/2026	5.00	150	—
Paving	Paving	12/1/2025	6/30/2026	5.00	152	—
Architectural Coating	Architectural Coating	7/1/2025	6/29/2026	5.00	260	—

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	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73

Paseo Marina - Project Option B (Year 2026) Localized Impacts Detailed Report, 2/23/2023

Demolition	Excavators	Diesel	Average	2.00	8.00	158	0.38
Demolition	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Grading	Excavators	Diesel	Average	2.00	8.00	158	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Podium Building 3	Cranes	Diesel	Average	1.00	8.00	367	0.29
Podium Building 3	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Podium Building 1	Cranes	Diesel	Average	1.00	8.00	367	0.29
Podium Building 1	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20
Podium Building 2	Cranes	Diesel	Average	1.00	8.00	367	0.29
Podium Building 2	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20
Podium Building 2	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Building Construction 3	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction 3	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction 3	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Building Construction 1	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction 1	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction 1	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Building Construction 2	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction 2	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction 2	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Demolition	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Demolition	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Demolition	Other Construction Equipment	Diesel	Average	3.00	8.00	82.0	0.42

Paseo Marina - Project Option B (Year 2026) Localized Impacts Detailed Report, 2/23/2023

Demolition	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Demolition	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Grading	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Grading	Cranes	Electric	Average	1.00	8.00	367	0.29
Grading	Other Construction Equipment	Diesel	Average	2.00	8.00	82.0	0.42
Grading	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Grading	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Bore/Drill Rigs	Diesel	Average	2.00	8.00	83.0	0.50
Grading	Rubber Tired Loaders	Diesel	Average	2.00	8.00	150	0.36
Grading	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Grading	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Grading	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Podium Building 3	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20
Podium Building 3	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Podium Building 3	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Podium Building 3	Concrete/Industrial Saws	Diesel	Average	3.00	8.00	33.0	0.73
Podium Building 3	Other Construction Equipment	Diesel	Average	2.00	8.00	82.0	0.42
Podium Building 3	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Podium Building 3	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Podium Building 3	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Podium Building 3	Cranes	Electric	Average	1.00	8.00	367	0.29
Podium Building 1	Cranes	Electric	Average	1.00	8.00	367	0.29
Podium Building 1	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48

Paseo Marina - Project Option B (Year 2026) Localized Impacts Detailed Report, 2/23/2023

Podium Building 1	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Podium Building 1	Concrete/Industrial Saws	Diesel	Average	3.00	8.00	33.0	0.73
Podium Building 1	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Podium Building 1	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Podium Building 1	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Podium Building 1	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Podium Building 1	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Podium Building 2	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Podium Building 2	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Podium Building 2	Concrete/Industrial Saws	Diesel	Average	3.00	8.00	33.0	0.73
Podium Building 2	Cranes	Electric	Average	1.00	8.00	367	0.29
Podium Building 2	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Podium Building 2	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Podium Building 2	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Podium Building 2	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Building Construction 3	Air Compressors	Diesel	Average	3.00	8.00	37.0	0.48
Building Construction 3	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Building Construction 3	Cranes	Electric	Average	1.00	8.00	367	0.29
Building Construction 3	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Building Construction 3	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Building Construction 3	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Building Construction 3	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37

Paseo Marina - Project Option B (Year 2026) Localized Impacts Detailed Report, 2/23/2023

Building Construction 1	Cranes	Electric	Average	1.00	8.00	367	0.29
Building Construction 1	Air Compressors	Diesel	Average	3.00	8.00	37.0	0.48
Building Construction 1	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Building Construction 1	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Building Construction 1	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Building Construction 1	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Building Construction 1	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Building Construction 2	Air Compressors	Diesel	Average	3.00	8.00	37.0	0.48
Building Construction 2	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Building Construction 2	Cranes	Electric	Average	1.00	8.00	367	0.29
Building Construction 2	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Building Construction 2	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Building Construction 2	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Building Construction 2	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Paving	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Paving	Cement and Mortar Mixers	Diesel	Average	2.00	8.00	10.0	0.56
Paving	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Paving	Cranes	Diesel	Average	1.00	8.00	367	0.29
Paving	Forklifts	Diesel	Average	2.00	8.00	82.0	0.20
Paving	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Paving	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Paving	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Paving	Signal Boards	Diesel	Average	2.00	2.00	6.00	0.82

Paving	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50
Paving	Welders	Diesel	Average	1.00	8.00	46.0	0.45

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	2.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Podium Building 3	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Podium Building 3	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Podium Building 3	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Final	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
Podium Building 1	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Podium Building 1	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Podium Building 1	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Podium Building 2	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Podium Building 2	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Podium Building 2	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Construction 3	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction 3	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20

Paseo Marina - Project Option B (Year 2026) Localized Impacts Detailed Report, 2/23/2023

Building Construction 3	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Construction 1	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction 1	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction 1	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Construction 2	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction 2	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction 2	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Final	2.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Tier 4 Final	2.00	8.00	158	0.38
Demolition	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	158	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Podium Building 3	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Podium Building 3	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Podium Building 1	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Podium Building 1	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Podium Building 2	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Podium Building 2	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Podium Building 2	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Construction 3	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Building Construction 3	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction 3	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Construction 1	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Building Construction 1	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction 1	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Building Construction 2	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29

Paseo Marina - Project Option B (Year 2026) Localized Impacts Detailed Report, 2/23/2023

Building Construction 2	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction 2	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Final	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	1.00	8.00	36.0	0.38
Demolition	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	8.00	150	0.36
Grading	Bore/Drill Rigs	Diesel	Tier 4 Final	2.00	8.00	148	0.41
Demolition	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Demolition	Other Construction Equipment	Diesel	Tier 4 Final	3.00	8.00	82.0	0.42
Demolition	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Demolition	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
Grading	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Grading	Cranes	Electric	Average	1.00	8.00	367	0.29
Grading	Other Construction Equipment	Diesel	Tier 4 Final	2.00	8.00	82.0	0.42
Grading	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Grading	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading	Bore/Drill Rigs	Diesel	Tier 4 Final	2.00	8.00	83.0	0.50
Grading	Rubber Tired Loaders	Diesel	Tier 4 Final	2.00	8.00	150	0.36
Grading	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Grading	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Grading	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Podium Building 3	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Podium Building 3	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48

Paseo Marina - Project Option B (Year 2026) Localized Impacts Detailed Report, 2/23/2023

Podium Building 3	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Podium Building 3	Concrete/Industrial Saws	Diesel	Tier 4 Final	3.00	8.00	33.0	0.73
Podium Building 3	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Podium Building 3	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Podium Building 3	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Podium Building 3	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Podium Building 3	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Podium Building 3	Cranes	Electric	Tier 4 Final	1.00	8.00	367	0.29
Podium Building 1	Cranes	Electric	Tier 4 Final	1.00	8.00	367	0.29
Podium Building 1	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Podium Building 1	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Podium Building 1	Concrete/Industrial Saws	Diesel	Tier 4 Final	3.00	8.00	33.0	0.73
Podium Building 1	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Podium Building 1	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Podium Building 1	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Podium Building 1	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Podium Building 1	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Podium Building 2	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Podium Building 2	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Podium Building 2	Concrete/Industrial Saws	Diesel	Tier 4 Final	3.00	8.00	33.0	0.73
Podium Building 2	Cranes	Electric	Tier 4 Final	1.00	8.00	367	0.29

Paseo Marina - Project Option B (Year 2026) Localized Impacts Detailed Report, 2/23/2023

Podium Building 2	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Podium Building 2	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Podium Building 2	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Podium Building 2	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Building Construction 3	Air Compressors	Diesel	Tier 4 Final	3.00	8.00	37.0	0.48
Building Construction 3	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
Building Construction 3	Cranes	Electric	Tier 4 Final	1.00	8.00	367	0.29
Building Construction 3	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Building Construction 3	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	8.00	150	0.36
Building Construction 3	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Building Construction 3	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Building Construction 1	Cranes	Electric	Tier 4 Final	1.00	8.00	367	0.29
Building Construction 1	Air Compressors	Diesel	Tier 4 Final	3.00	8.00	37.0	0.48
Building Construction 1	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
Building Construction 1	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Building Construction 1	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	8.00	150	0.36
Building Construction 1	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Building Construction 1	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Building Construction 2	Air Compressors	Diesel	Tier 4 Final	3.00	8.00	37.0	0.48
Building Construction 2	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
Building Construction 2	Cranes	Electric	Tier 4 Final	1.00	8.00	367	0.29
Building Construction 2	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Building Construction 2	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	8.00	150	0.36

Building Construction 2	Signal Boards	Diesel	Average	2.00	8.00	6.00	0.82
Building Construction 2	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Paving	Air Compressors	Diesel	Tier 4 Final	2.00	8.00	37.0	0.48
Paving	Cement and Mortar Mixers	Diesel	Average	2.00	8.00	10.0	0.56
Paving	Concrete/Industrial Saws	Diesel	Tier 4 Final	1.00	8.00	33.0	0.73
Paving	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Paving	Forklifts	Diesel	Tier 4 Final	2.00	8.00	82.0	0.20
Paving	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Paving	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Paving	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	8.00	150	0.36
Paving	Signal Boards	Diesel	Average	2.00	2.00	6.00	0.82
Paving	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Paving	Trenchers	Diesel	Tier 4 Final	1.00	8.00	40.0	0.50
Paving	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45

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	0.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	0.00	10.2	HHDT,MHDT
Demolition	Hauling	0.00	40.4	HHDT
Demolition	Onsite truck	68.0	0.07	HHDT

Paseo Marina - Project Option B (Year 2026) Localized Impacts Detailed Report, 2/23/2023

Grading	—	—	—	—
Grading	Worker	0.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	0.00	10.2	HHDT,MHDT
Grading	Hauling	0.00	40.4	HHDT
Grading	Onsite truck	128	0.07	HHDT
Podium Building 3	—	—	—	—
Podium Building 3	Worker	0.00	18.5	LDA,LDT1,LDT2
Podium Building 3	Vendor	0.00	10.2	HHDT,MHDT
Podium Building 3	Hauling	0.00	20.0	HHDT
Podium Building 3	Onsite truck	140	0.02	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	48.0	0.02	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	10.0	0.02	HHDT
Podium Building 1	—	—	—	—
Podium Building 1	Worker	0.00	18.5	LDA,LDT1,LDT2
Podium Building 1	Vendor	0.00	10.2	HHDT,MHDT
Podium Building 1	Hauling	0.00	20.0	HHDT
Podium Building 1	Onsite truck	140	0.02	HHDT
Podium Building 2	—	—	—	—
Podium Building 2	Worker	0.00	18.5	LDA,LDT1,LDT2

Podium Building 2	Vendor	0.00	10.2	HHDT,MHDT
Podium Building 2	Hauling	0.00	20.0	HHDT
Podium Building 2	Onsite truck	140	0.02	HHDT
Building Construction 3	—	—	—	—
Building Construction 3	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction 3	Vendor	0.00	10.2	HHDT,MHDT
Building Construction 3	Hauling	0.00	20.0	HHDT
Building Construction 3	Onsite truck	140	0.02	HHDT
Building Construction 1	—	—	—	—
Building Construction 1	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction 1	Vendor	0.00	10.2	HHDT,MHDT
Building Construction 1	Hauling	0.00	20.0	HHDT
Building Construction 1	Onsite truck	140	0.02	HHDT
Building Construction 2	—	—	—	—
Building Construction 2	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction 2	Vendor	0.00	10.2	HHDT,MHDT
Building Construction 2	Hauling	0.00	20.0	HHDT
Building Construction 2	Onsite truck	140	0.02	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	0.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	0.00	10.2	HHDT,MHDT
Demolition	Hauling	0.00	40.4	HHDT
Demolition	Onsite truck	68.0	0.07	HHDT
Grading	—	—	—	—

Paseo Marina - Project Option B (Year 2026) Localized Impacts Detailed Report, 2/23/2023

Grading	Worker	0.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	0.00	10.2	HHDT,MHDT
Grading	Hauling	0.00	40.4	HHDT
Grading	Onsite truck	128	0.07	HHDT
Podium Building 3	—	—	—	—
Podium Building 3	Worker	0.00	18.5	LDA,LDT1,LDT2
Podium Building 3	Vendor	0.00	10.2	HHDT,MHDT
Podium Building 3	Hauling	0.00	20.0	HHDT
Podium Building 3	Onsite truck	140	0.02	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	48.0	0.02	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	10.0	0.02	HHDT
Podium Building 1	—	—	—	—
Podium Building 1	Worker	0.00	18.5	LDA,LDT1,LDT2
Podium Building 1	Vendor	0.00	10.2	HHDT,MHDT
Podium Building 1	Hauling	0.00	20.0	HHDT
Podium Building 1	Onsite truck	140	0.02	HHDT
Podium Building 2	—	—	—	—
Podium Building 2	Worker	0.00	18.5	LDA,LDT1,LDT2
Podium Building 2	Vendor	0.00	10.2	HHDT,MHDT

Podium Building 2	Hauling	0.00	20.0	HHDT
Podium Building 2	Onsite truck	140	0.02	HHDT
Building Construction 3	—	—	—	—
Building Construction 3	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction 3	Vendor	0.00	10.2	HHDT,MHDT
Building Construction 3	Hauling	0.00	20.0	HHDT
Building Construction 3	Onsite truck	140	0.02	HHDT
Building Construction 1	—	—	—	—
Building Construction 1	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction 1	Vendor	0.00	10.2	HHDT,MHDT
Building Construction 1	Hauling	0.00	20.0	HHDT
Building Construction 1	Onsite truck	140	0.02	HHDT
Building Construction 2	—	—	—	—
Building Construction 2	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction 2	Vendor	0.00	10.2	HHDT,MHDT
Building Construction 2	Hauling	0.00	20.0	HHDT
Building Construction 2	Onsite truck	140	0.02	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)
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Architectural Coating	868,713	289,571	195,000	65,000	—
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5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	242,781	—
Grading	—	251,000	0.00	0.00	—
Paving	0.00	0.00	0.00	0.00	0.00

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
General Office Building	0.00	0%
Enclosed Parking with Elevator	0.00	100%
High Turnover (Sit Down Restaurant)	0.00	0%
Apartments Mid Rise	—	0%
Strip Mall	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
2023	1,905	522	0.05	0.01
2024	3,810	522	0.05	0.01
2025	1,905	522	0.05	0.01
2026	1,270	522	0.05	0.01

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	4
Electric Fireplaces	0

No Fireplaces	0
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5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	4
Electric Fireplaces	0
No Fireplaces	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
868712.85	289,571	195,000	65,000	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
General Office Building	1,998,698	455	0.0489	0.0069	0.00
Enclosed Parking with Elevator	1,900,349	455	0.0489	0.0069	0.00
High Turnover (Sit Down Restaurant)	1,026,561	455	0.0489	0.0069	1,404,000
Apartments Mid Rise	2,664,535	455	0.0489	0.0069	0.00
Strip Mall	286,270	455	0.0489	0.0069	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
General Office Building	1,998,698	455	0.0489	0.0069	0.00
Enclosed Parking with Elevator	1,900,349	455	0.0489	0.0069	0.00
High Turnover (Sit Down Restaurant)	1,026,561	455	0.0489	0.0069	1,404,000
Apartments Mid Rise	2,664,535	455	0.0489	0.0069	0.00
Strip Mall	286,270	455	0.0489	0.0069	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Office Building	15,996,037	0.00
Enclosed Parking with Elevator	0.00	0.00

High Turnover (Sit Down Restaurant)	6,070,674	0.00
Apartments Mid Rise	15,841,365	1,881,156
Strip Mall	1,481,450	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Office Building	12,796,830	0.00
Enclosed Parking with Elevator	0.00	0.00
High Turnover (Sit Down Restaurant)	4,856,539	0.00
Apartments Mid Rise	12,673,092	1,504,925
Strip Mall	1,185,160	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Office Building	83.7	0.00
Enclosed Parking with Elevator	0.00	0.00
High Turnover (Sit Down Restaurant)	238	0.00
Apartments Mid Rise	106	0.00
Strip Mall	21.0	0.00

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Office Building	19.8	0.00
Enclosed Parking with Elevator	0.00	0.00

High Turnover (Sit Down Restaurant)	56.2	0.00
Apartments Mid Rise	25.1	0.00
Strip Mall	4.96	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	3.00	0.33	200	600	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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5.17. User Defined

Equipment Type	Fuel Type
—	—

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	8.06	annual days of extreme heat
Extreme Precipitation	4.50	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	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 ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. 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 (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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 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	40.0
AQ-PM	64.7
AQ-DPM	79.1
Drinking Water	71.7
Lead Risk Housing	21.1
Pesticides	0.00
Toxic Releases	80.8
Traffic	77.7
Effect Indicators	—
CleanUp Sites	74.4
Groundwater	86.2

Haz Waste Facilities/Generators	56.4
Impaired Water Bodies	99.6
Solid Waste	55.5
Sensitive Population	—
Asthma	13.1
Cardio-vascular	14.8
Low Birth Weights	54.8
Socioeconomic Factor Indicators	—
Education	18.8
Housing	78.1
Linguistic	41.4
Poverty	38.1
Unemployment	9.72

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	66.23893238
Employed	55.84498909
Median HI	76.76119595
Education	—
Bachelor's or higher	91.36404466
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	86.34672142

Active commuting	50.8020018
Social	—
2-parent households	9.80366996
Voting	64.49377647
Neighborhood	—
Alcohol availability	47.37585012
Park access	81.35506224
Retail density	58.1675863
Supermarket access	76.08109842
Tree canopy	50.8020018
Housing	—
Homeownership	50.58385731
Housing habitability	74.43859874
Low-inc homeowner severe housing cost burden	32.50352881
Low-inc renter severe housing cost burden	79.13512126
Uncrowded housing	92.9038881
Health Outcomes	—
Insured adults	81.30373412
Arthritis	17.5
Asthma ER Admissions	89.1
High Blood Pressure	15.4
Cancer (excluding skin)	6.6
Asthma	80.2
Coronary Heart Disease	17.4
Chronic Obstructive Pulmonary Disease	56.7
Diagnosed Diabetes	57.0
Life Expectancy at Birth	81.4

Cognitively Disabled	26.7
Physically Disabled	45.1
Heart Attack ER Admissions	91.5
Mental Health Not Good	87.0
Chronic Kidney Disease	45.1
Obesity	75.0
Pedestrian Injuries	48.4
Physical Health Not Good	70.2
Stroke	34.3
Health Risk Behaviors	—
Binge Drinking	71.2
Current Smoker	89.0
No Leisure Time for Physical Activity	82.1
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	61.9
Children	73.7
Elderly	6.3
English Speaking	52.1
Foreign-born	56.5
Outdoor Workers	98.2
Climate Change Adaptive Capacity	—
Impervious Surface Cover	12.3
Traffic Density	74.6
Traffic Access	64.6
Other Indices	—
Hardship	20.2

Other Decision Support	—
2016 Voting	64.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	49.0
Healthy Places Index Score for Project Location (b)	78.0
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
Characteristics: Utility Information	SB 100
Land Use	957 Population to match the VMT Calculator
Operations: Hearths	4 propane fire pits in common areas
Operations: Energy Use	see GHG parameters - adjustment for all electric ordinance less cooking for restaurant.
Characteristics: Project Details	South Coast Air Basin

Construction: Construction Phases	see construction assumptions
Construction: Off-Road Equipment	see construction assumptions
Construction: Trips and VMT	see construction assumptions
Construction: On-Road Fugitive Dust	Given Project site constraints (active construction zone and excavation across the site), it is conservatively assumed that haul trucks would be limited to approximately 15 mph on unpaved roads. Furthermore, much of the hauling activity for demolition would be on paved surfaces, but this analysis assumes 100% unpaved. In addition, all deliveries would be made to staging areas in which the surface would be stabilized. However, it was conservatively assumed that the surface would be water twice daily.
Operations: Generators + Pumps EF	SCAQMD Rule 1470 Table 1 (Located at Sensitive Receptor (0.01 g PM/bhp-hr).
Operations: Emergency Generators and Fire Pumps	Hours reflect SCAQMD Rule 1470 permitted hours.
Construction: Electricity	SB 100 for 2026

Paseo Marina (Option A)
FUTURE WITH PROJECT CONDITIONS

Signalized Intersections				
#	N/S Street	E/W Street	AM	PM
1	Minanao Way	La Villa Marina	829	774
2	Lincoln Boulevard	Marina Pointe Drive	1,111	1,068
3	Del Rey Avenue	Maxella Avenue	553	702
4	Ocean Way	Maxella Avnene	310	387
5	Maxella Avenue	Maxella Avenue Driveway	223	272
6	Glencoe Avenue	Maxella Avenue	964	928
7	Glencoe Avenue	Glencoe Avenue North Driveway	416	518
8	Glencoe Avenue	Glencoe Ave South Driveway	536	685
9	Mindanao Way	Glencoe Avenue	1,109	1,281
10	Mindanao Way	SR-90 Westbound Ramp	1,118	1,128
11	Mindanao Way	SR-90 Eastbound Ramp	1,463	1,519

Max Hourly:	1,463	1,519
Max Daily:	14,630	15,190

Paseo Marina (Option B)
FUTURE WITH PROJECT CONDITIONS

Signalized Intersections				
#	N/S Street	E/W Street	AM	PM
1	Walgrove Avenue	Washington Boulevard	1287	1363
2	Minanao Way	La Villa Marina	831	773
3	Lincoln Boulevard	Marina Pointe Drive	1,112	1,067
4	Del Rey Avenue	Maxella Avenue	551	704
5	Ocean Way	Maxella Avnene	95	79
6	Maxella Avenue	Maxella Avenue Driveway	0	0
7	Glencoe Avenue	Maxella Avenue	955	927
8	Glencoe Avenue	Glencoe Avenue North Driveway	428	531
9	Glencoe Avenue	Glencoe Ave South Driveway	596	759
10	Mindanao Way	Glencoe Avenue	1,105	1,288
11	Mindanao Way	SR-90 Westbound Ramp	1,122	1,130
12	Minanao Way	SR-90 Eastbound Ramp	1,459	1,523
Max Hourly:			1,459	1,523
Max Daily:			14,590	15,230

Paseo Marina

Draft EIR

Appendix B-3-Greenhouse Gas Emissions Worksheets and Modeling Output Files

- Appendix B-3: Greenhouse Gas Worksheets and Modeling Output Files
 - Appendix B-3.1: GHG Modeling Parameters and Summary of Emissions
 - GHG Emissions Summary
 - GHG Parameters and Summary
 - Construction Assumptions
 - VMT Calculations
 - Electric Vehicle Charging Calculations
 - SB 100
 - Appendix B-3.2: CalEEMod Outputs
 - Project Operations No MXD
 - Project Operation with MM/TDM

CalEEMod Outputs (Option A)

Construction Emissions - Annual

CalEEMod Output - Annual Construction

Year	CO2e
2023	3,353
2024	5,126
2025	3,168
2026	1,406
30-year Amortized	435
	13053

Operational Emissions - Annual

Category	Baseline (Existing Year)	Baseline (Buildout Year) - No MXD	Project (Buildout Year) No MXD/PDFs	Project (Buildout Year) - With MXD/PDFs	Project (Buildout Year) - No MXD less Baseline	Project (Buildout Year) - With MMs less Baseline	Reduction	
	CO2e	CO2e	CO2e	CO2e	Increment	Increment		
Area	2	2	54	54	52	52	0.00	0.0%
Energy	300	242	1468	1468	1226	1226	0.00	0.0%
Mobile	3555	3148	5913	4760	2765	1612	-1153.00	-19.5%
EV	0	0	(316)	(316)	(316)	(316)	0.00	0.0%
Stationary	0	0	275	275	275	275	0.00	0.0%
Waste	8	8	40	40	33	33	0.00	0.0%
Water	22	20	67	67	47	47	0.00	0.0%
Refrig.	0	0	4	4	4	4	0.00	0.0%
Operations Total	3887	3420	7506	6353	4086	2933	-1153.00	-15.4%
Construction Amortized			435	435	435	435	0.00	0.0%
			7941	6788	4521	3368	-1153.00	-14.5%

CalEEMod Outputs (Option B)

Construction Emissions - Annual

CalEEMod Output - Annual Construction

Year	CO2e
2023	3,443
2024	5,442
2025	3,163
2026	1,397
30-year Amortized	448
	13445

Operational Emissions - Annual

Category	Baseline (Existing Year)	Baseline (Buildout Year) - No MXD	Project (Buildout Year) No MXD/PDFs	Project (Buildout Year) - With MXD/PDFs	Project (Buildout Year) - No MXD less Baseline	Project (Buildout Year) - With MMs less Baseline	Reduction	
	CO2e	CO2e	CO2e	CO2e	Increment	Increment		
Area	2	2	53	53	51	51	0.00	0.0%
Energy	300	242	1712	1712	1470	1470	0.00	0.0%
Mobile	3555	3148	6898	4481	3750	1333	-2417.00	-35.0%
EV	0	0	(318)	(318)	(318)	(318)	0.00	0.0%
Stationary	0	0	275	275	275	275	0.00	0.0%
Waste	8	8	43	43	35	35	0.00	0.0%
Water	22	20	89	89	69	69	0.00	0.0%
Refrig.	0	0	6	6	6	6	0.00	0.0%
Operations Total	3887	3420	8758	6341	5338	2921	-2417.00	-27.6%
Construction Amortized			448	448	448	448	0.00	0.0%
			9206	6789	5787	3370	-2417.00	-26.3%

Paseo Marina Option A

VMT Calculations for CalEEMod Inputs (Buildout)

VMT Summary

Existing Generation Rates for Weekend Scalar (CalEEMod Defaults)					
		DU/TSF	Weekday	Rate (Daily)	
				Saturday	Sunday
Retail	ksf	100.781	44.32	42.04	20.43
Parking Lot (spaces)	spaces	99	---	---	---

Generation Rates for Weekend Scalar (CalEEMod Defaults)					
		DU/TSF	Weekday	Rate (Daily)	
				Saturday	Sunday
Residential Apartments (DU)	DU	658	6.65	6.39	5.86
Retail	ksf	13.65	44.32	42.04	20.43
Restaurant	ksf	13.65	127.15	158.37	131.84
Parking Structure Enclosed	PS	609	---	---	---
Parking Structure Unenclosed	PS	608	---	---	---
Total					

	Weekday Trips	Saturday Trips	Sunday Trips	Saturday Vs. Weekday Ratio	Sunday Vs. Weekday Ratio
Existing Trips	4467	4237	2059	0.95	0.46
Daily Trips	6716	6940	5934	1.03	0.88

Daily Trips		
Weekday	Saturday	Sunday
4467	4237	2059
---	---	---

Daily Trips		
Weekday	Saturday	Sunday
4376	4205	3856
605	574	279
1736	2162	1800
---	---	---
---	---	---
6716	6940	5934

Project without TDM (MXD Data)

	Unadjusted Trips Pre MXD	MXD Adjustment	MXD Trips	Average Trip Length	Unadjusted Pre MXD VMT	MXD VMT
Home Based Work Production	586	-14.3%	502	8.3	4,864	4167
Home Based Other Production	1624	-32.0%	1104	5.9	9,582	6,514
Non-Home Based Other Production	1270	-5.3%	1203	7.4	9398	8902
Home-Based Work Attraction	119	-31.1%	82	12.6	1499	1033
Home-Based Other Attraction	1949	-26.6%	1431	7.5	14,618	10733
Non-Home Based Other Attraction	696	-6.3%	652	9.2	6403	5998
Total	6,244		4,974		46,364	37,347
Residential VMT			1,606			10,681
Work VMT			82			1,033
						11,714

Percent Reduction for MXD		
19.4%		
6.9	Population	1541
12.6	Employees	82

Project with TDM (MXD Data)

	Proposed Project		Project with Mitigation Measures			
	TDM Adjustment	Project Trips	Project VMT	TDM Adjustment	Mitigated Trips	Mitigated VMT
Home Based Work Production	0.0%	502	4167	0.0%	502	4167
Home Based Other Production	0.0%	1104	6514	0.0%	1104	6514
Non-Home Based Other Production	0.0%	1203	8902	0.0%	1203	8902
Home-Based Work Attraction	0.0%	82	1033	0.0%	82	1033
Home-Based Other Attraction	0.0%	1431	10733	0.0%	1431	10733
Non-Home Based Other Attraction	0.0%	652	5998	0.0%	652	5998
Total		4,974	37,347		4,974	37,347
Residential VMT			10,681			10,681
			26,666			1,033

19.4%		
7.2	Population	1483
12.6	Employees	82

Source: Linscott, Law, Greenspan, engineers

Paseo Marina Option B

VMT Calculations for CalEEMod Inputs (Buildout)

VMT Summary

Existing Generation Rates for Weekend Scalar (CalEEMod Defaults)					
	DU/TSF	Weekday	Saturday	Sunday	Rate (Daily)
Retail	ksf	100.781	44.32	42.04	20.43
Parking Lot (spaces)	spaces	99	----	----	----

Generation Rates for Weekend Scalar (CalEEMod Defaults)					
	DU/TSF	Weekday	Saturday	Sunday	Rate (Daily)
Residential Apartments (DU)	DU	425	6.65	6.39	5.86
Retail	ksf	20	44.32	42.04	20.43
Restaurant	ksf	20	127.15	158.37	131.84
Office	ksf	90	11.03	2.46	1.05
Parking Structure Enclosed	PS	609	----	----	----
Parking Structure Unenclosed	PS	608	----	----	----
Total					

Saturday Vs. Sunday					
	Weekday Trips	Saturday Trips	Sunday Trips	Weekday Ratio	Sunday Vs. Weekday Ratio
Existing Trips	4467	4237	2059	0.95	0.46
Daily Trips	7248	6945	5630	0.96	0.78

Daily Trips		
Weekday	Saturday	Sunday
4467	4237	2059
----	----	----

Daily Trips		
Weekday	Saturday	Sunday
2826	2716	2491
886	841	409
2543	3167	2637
993	221	95
----	----	----
7248	6945	5630

Project without TDM (MXD Data)

	Unadjusted Trips Pre MXD	MXD Adjustment	MXD Trips	Average Trip Length	Unadjusted Pre MXD VMT	MXD VMT
Home Based Work Production	381	-18.6%	310	8.3	3,162	2573
Home Based Other Production	1055	-32.4%	713	5.9	6,225	4,207
Non-Home Based Other Production	1360	-6.2%	1276	7.4	10064	9442
Home-Based Work Attraction	696	-20.5%	553	12.6	8770	6968
Home-Based Other Attraction	2460	-26.1%	1818	7.5	18,450	13635
Non-Home Based Other Attraction	987	-6.9%	919	9.2	9080	8455
Total	6,939		5,589		55,751	45,280
Residential VMT			1,023			6,780
Work VMT			553			6,968

Percent Reduction for MXD		
18.8%		
7.1	Population	958
14.5	Employees	480

Project with TDM (MXD Data)

	Proposed Project		Project with Mitigation Measures			
	TDM Adjustment	Project Trips	Project VMT	TDM Adjustment	Mitigated Trips	Mitigated VMT
Home Based Work Production	0.0%	310	2573	-20.0%	248	2058
Home Based Other Production	0.0%	713	4207	-20.0%	570	3366
Non-Home Based Other Production	0.0%	1276	9442	-20.0%	1021	7554
Home-Based Work Attraction	0.0%	553	6968	-20.0%	442	5574
Home-Based Other Attraction	0.0%	1818	13635	-20.0%	1454	10908
Non-Home Based Other Attraction	0.0%	919	8455	-20.0%	735	6764
Total		5,589	45,280		4,470	36,224
Residential VMT			6,780			5,424
			38,500			5,574

Percent Reduction for MXD		
35.0%		
5.7	Population	958
11.6	Employees	480
		1438

Source: Linscott, Law, Greenspan, engineers

Paseo Marina-Option A

GHG Emissions Reductions for Residential Uses Associated with City Codes (Electric Vehicle Charging Stations/Plugs)

Step 1: Estimating GHG Emissions Reduction to Replace Gasoline/Diesel Vehicle with Electric Vehicle

LADWP Electricity Emission Factor ¹	0.21 MTCO ₂ E/MWh
Fuel Economy of Electric Vehicle ²	0.33 kWh/mile
Electric Vehicle GHG Emissions	68.1 grams/mile
GHG Emissions from Residential Miles Traveled (CalEEMod) ³	100.0 grams/mile
GHG Emissions Reduction from Additional Electric Vehicles, per mile	31.9 grams/mile

Step 2: Estimating Project Residential-Related VMT GHG Emissions

Residential Average Yearly VMT ⁴	3,898,565 miles/year
Percent of Residential Miles Driven in Electric Vehicles due to this Measure	10.0%
Residential VMT that is Displaced by EVs due to this Measure	389,857 miles/year
GHG Emissions Reduction from Residential Electric Vehicles	12 MTCO ₂ E/MWh
Energy Usage for Charging Vehicles	128,653 kWh/year

Notes:

- 1) CO₂ intensity factor reflects a 2026 RPS for LADWP (455 lbs of CO₂E/MWh).
- 2) US Department of Energy, 2013. Benefits and Considerations of Electricity as a Vehicle Fuel. Available at: http://afdc.energy.gov/fuels/electricity_benefits.html.
- 3) CalEEMod Output file provided in Appendix XX.X of this Draft EIR.
- 4) Residential charging of vehicles would primarily occur over night, while commercial use charging of vehicles would primarily occur during the day. In addition, it is assumed that the charging stations/plugs for residential uses would be fully utilized which is supported by the projected number of electric vehicles in the future. Bloomberg New Energy Finance projects that electric vehicles will represent 35 percent of global new car sales by 2040 (<https://about.bnef.com/blog/electric-vehicles-to-be-35-of-global-new-car-sales-by-2040/>).

GHG Emissions Reductions for Commercial Uses Associated with City Codes (Electric Vehicle Charging Stations/Plugs)

Step 1: Estimating GHG Emissions Reduction to Replace Gasoline/Diesel Vehicle with Electric Vehicle

LADWP Electricity Emission Factor ¹	0.21 MTCO ₂ E/MWh
Fuel Economy of Electric Vehicle ²	0.33 kWh/mile
Gasoline/Diesel CO ₂ Emissions While Running ³	204.6 grams/mile
Annual VMT Reduction per Parking Spot ⁴	18,250 miles/charging station/year
Number of On-Site Chargers ⁵	122
Annual VMT Reduction All Stations/Plugs (Based on Charge)	2,226,500

Step 2: Estimating GHG Emissions Reduction from Installing Electric Vehicle Charging Stations/Plugs

GHG Emissions of Gasoline/Diesel Vehicle	456 MTCO ₂ E/MWh
GHG Emissions of Electric Vehicle	152 MTCO ₂ E/MWh
GHG Emissions Reduction	304 MTCO ₂ E/MWh
Energy Usage for Charging Vehicles	734,745 kWh/year

Notes:

- 1) CO₂ intensity factor reflects a 2026 RPS for LADWP (455 lbs of CO₂E/MWh).
- 2) US Department of Energy, 2013. Benefits and Considerations of Electricity as a Vehicle Fuel. Available at: http://afdc.energy.gov/fuels/electricity_benefits.html.
- 3) CARB, 2017. EMFAC2017, running exhaust emission rate for CO₂ and CH₄ for light duty gasoline- and diesel-powered vehicles in Los Angeles, aggregated for all models and speeds, averaged over all seasons for 2026.
- 4) Annual VMT reduction estimated based on an estimate of 10 hours of charge time for a Level 2 charging station that charges at a rate of 25 driving range per hour. It is conservatively assumed that 20% of the miles charged would be driven by the charged vehicles.
- 5) City Code requires 10% of parking spaces to be equipped with EV chargers.

Paseo Marina-Option B
GHG Emissions Reductions for Residential Uses Associated with City Codes (Electric Vehicle Charging Stations/Plugs)

Step 1: Estimating GHG Emissions Reduction to Replace Gasoline/Diesel Vehicle with Electric Vehicle

LADWP Electricity Emission Factor ¹	0.21 MTCO ₂ E/MWh
Fuel Economy of Electric Vehicle ²	0.33 kWh/mile
Electric Vehicle GHG Emissions	68.1 grams/mile
GHG Emissions from Residential Miles Traveled (CalEEMod) ³	50.8 grams/mile
GHG Emissions Reduction from Additional Electric Vehicles, per mile	-17.3 grams/mile

Step 2: Estimating Project Residential-Related VMT GHG Emissions

Residential Average Yearly VMT ⁴	1,979,760 miles/year
Percent of Residential Miles Driven in Electric Vehicles due to this Measure	10.0%
Residential VMT that is Displaced by EVs due to this Measure	197,976 miles/year
GHG Emissions Reduction from Residential Electric Vehicles	-3 MTCO ₂ E/MWh
Energy Usage for Charging Vehicles	65,332 kWh/year

Notes:

- 1) CO₂ intensity factor reflects a 2026 RPS for LADWP (455 lbs of CO₂E/MWh).
- 2) US Department of Energy, 2013. Benefits and Considerations of Electricity as a Vehicle Fuel. Available at: http://afdc.energy.gov/fuels/electricity_benefits.html.
- 3) CalEEMod Output file provided in Appendix XX.X of this Draft EIR.
- 4) Residential charging of vehicles would primarily occur over night, while commercial use charging of vehicles would primarily occur during the day. In addition, it is assumed that the charging stations/plugs for residential uses would be fully utilized which is supported by the projected number of electric vehicles in the future. Bloomberg New Energy Finance projects that electric vehicles will represent 35 percent of global new car sales by 2040 (<https://about.bnef.com/blog/electric-vehicles-to-be-35-of-global-new-car-sales-by-2040/>).

GHG Emissions Reductions for Commercial Uses Associated with City Codes (Electric Vehicle Charging Stations/Plugs)

Step 1: Estimating GHG Emissions Reduction to Replace Gasoline/Diesel Vehicle with Electric Vehicle

LADWP Electricity Emission Factor ¹	0.21 MTCO ₂ E/MWh
Fuel Economy of Electric Vehicle ²	0.33 kWh/mile
Gasoline/Diesel CO ₂ Emissions While Running ³	204.6 grams/mile
Annual VMT Reduction per Parking Spot ⁴	18,250 miles/charging station/year
Number of On-Site Chargers ⁵	129
Annual VMT Reduction All Stations/Plugs (Based on Charge)	2,354,250

Step 2: Estimating GHG Emissions Reduction from Installing Electric Vehicle Charging Stations/Plugs

GHG Emissions of Gasoline/Diesel Vehicle	482 MTCO ₂ E/MWh
GHG Emissions of Electric Vehicle	160 MTCO ₂ E/MWh
GHG Emissions Reduction	321 MTCO ₂ E/MWh

Notes:

- 1) CO₂ intensity factor reflects a 2026 RPS for LADWP (455 lbs of CO₂E/MWh).
- 2) US Department of Energy, 2013. Benefits and Considerations of Electricity as a Vehicle Fuel. Available at: http://afdc.energy.gov/fuels/electricity_benefits.html.
- 3) CARB, 2017. EMFAC2017, running exhaust emission rate for CO₂ and CH₄ for light duty gasoline- and diesel-powered vehicles in Los Angeles, aggregated for all models and speeds, averaged over all seasons for 2026.
- 4) Annual VMT reduction estimated based on an estimate of 10 hours of charge time for a Level 2 charging station that charges at a rate of 25 driving range per hour. It is conservatively assumed that 20% of the miles charged would be driven by the charged vehicles.
- 5) City Code requires 10% of parking spaces to be equipped with EV chargers.

SB100 - Renewable Portfolio Standards

Year	% RPS	RPS Reduction (%)	Carbon Intensity (lbs/MWh)	Notes
2020	36	-6%	579	Power Content Label 2020
2021	34	6%	609	Power Content Label 2021
2024	44	-23%	471	
2027	52	-15%	398	
2030	60	-13%	345	SB 100, Year 2030 RPS Goal
2036	65	-8%	319	LADWP 2016 IRP Goal
2045	100	-35%	0	Set to zero

Build Out Year	Carbon Intensity (lbs/MWh)	
2026	455	Put this into CalEEMod
2023	522	

Paseo Marina - Project Option A (Year 2026) No MXD Detailed Report

Table of Contents

- 1. Basic Project Information
 - 1.1. Basic Project Information
 - 1.2. Land Use Types
 - 1.3. User-Selected Emission Reduction Measures by Emissions Sector
- 2. Emissions Summary
 - 2.4. Operations Emissions Compared Against Thresholds
 - 2.5. Operations Emissions by Sector, Unmitigated
 - 2.6. Operations Emissions by Sector, Mitigated
- 4. Operations Emissions Details
 - 4.1. Mobile Emissions by Land Use
 - 4.1.1. Unmitigated
 - 4.1.2. Mitigated
 - 4.2. Energy
 - 4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.2. Unmitigated

4.3.1. Mitigated

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

4.4.1. Mitigated

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

4.5.1. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Paseo Marina - Project Option A (Year 2026) No MXD
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	8.20
Location	13450 Maxella Ave, Marina Del Rey, CA 90292, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4428
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas

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
Enclosed Parking with Elevator	1,217	Space	0.00	486,800	0.00	0.00	—	—
High Turnover (Sit Down Restaurant)	13.7	1000sqft	0.00	13,650	0.00	0.00	—	—

Apartments Mid Rise	658	Dwelling Unit	6.06	647,029	70,175	0.00	1,481	—
Strip Mall	13.7	1000sqft	0.00	13,650	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Water	W-7	Adopt a Water Conservation Strategy
Waste	S-1/S-2	Implement Waste Reduction Plan

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	45.1	16.1	226	0.38	0.33	13.4	13.7	0.33	2.38	2.71	50,367
Mit.	45.1	16.1	226	0.38	0.33	13.4	13.7	0.33	2.38	2.71	49,478
% Reduced	—	—	—	—	—	—	—	—	—	—	2%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	37.8	16.9	155	0.37	0.29	13.4	13.6	0.27	2.38	2.65	48,503
Mit.	37.8	16.9	155	0.37	0.29	13.4	13.6	0.27	2.38	2.65	47,614
% Reduced	—	—	—	—	—	—	—	—	—	—	2%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	42.9	17.4	196	0.36	0.32	12.8	13.1	0.32	2.27	2.59	48,138
Mit.	42.9	17.4	196	0.36	0.32	12.8	13.1	0.32	2.27	2.59	47,250

% Reduced	—	—	—	—	—	—	—	—	—	—	2%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.82	3.17	35.8	0.07	0.06	2.33	2.39	0.06	0.42	0.47	7,970
Mit.	7.82	3.17	35.8	0.07	0.06	2.33	2.39	0.06	0.42	0.47	7,823
% Reduced	—	—	—	—	—	—	—	—	—	—	2%

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	20.5	14.2	161	0.37	0.24	13.4	13.6	0.22	2.38	2.60	38,547
Area	22.6	0.75	59.8	< 0.005	0.05	—	0.05	0.07	—	0.07	388
Energy	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	8,869
Water	—	—	—	—	—	—	—	—	—	—	506
Waste	—	—	—	—	—	—	—	—	—	—	1,031
Refrig.	—	—	—	—	—	—	—	—	—	—	26.1
Stationary	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	45.1	16.1	226	0.38	0.33	13.4	13.7	0.33	2.38	2.71	50,367
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	20.2	15.5	150	0.36	0.24	13.4	13.6	0.22	2.38	2.60	36,875
Area	15.6	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Energy	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	8,869
Water	—	—	—	—	—	—	—	—	—	—	506
Waste	—	—	—	—	—	—	—	—	—	—	1,031
Refrig.	—	—	—	—	—	—	—	—	—	—	26.1
Stationary	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001

Total	37.8	16.9	155	0.37	0.29	13.4	13.6	0.27	2.38	2.65	48,503
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	19.2	14.9	147	0.34	0.23	12.8	13.0	0.21	2.27	2.49	35,718
Area	20.4	0.58	41.0	< 0.005	0.04	—	0.04	0.05	—	0.05	328
Energy	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	8,869
Water	—	—	—	—	—	—	—	—	—	—	506
Waste	—	—	—	—	—	—	—	—	—	—	1,031
Refrig.	—	—	—	—	—	—	—	—	—	—	26.1
Stationary	3.24	1.59	8.25	0.02	0.03	—	0.03	0.03	—	0.03	1,662
Total	42.9	17.4	196	0.36	0.32	12.8	13.1	0.32	2.27	2.59	48,138
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.50	2.73	26.8	0.06	0.04	2.33	2.37	0.04	0.42	0.45	5,913
Area	3.72	0.11	7.48	< 0.005	0.01	—	0.01	0.01	—	0.01	54.3
Energy	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	1,468
Water	—	—	—	—	—	—	—	—	—	—	83.7
Waste	—	—	—	—	—	—	—	—	—	—	171
Refrig.	—	—	—	—	—	—	—	—	—	—	4.31
Stationary	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275
Total	7.82	3.17	35.8	0.07	0.06	2.33	2.39	0.06	0.42	0.47	7,970

2.6. Operations Emissions by Sector, Mitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	20.5	14.2	161	0.37	0.24	13.4	13.6	0.22	2.38	2.60	38,547
Area	22.6	0.75	59.8	< 0.005	0.05	—	0.05	0.07	—	0.07	388

Energy	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	8,869
Water	—	—	—	—	—	—	—	—	—	—	405
Waste	—	—	—	—	—	—	—	—	—	—	243
Refrig.	—	—	—	—	—	—	—	—	—	—	26.1
Stationary	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	45.1	16.1	226	0.38	0.33	13.4	13.7	0.33	2.38	2.71	49,478
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	20.2	15.5	150	0.36	0.24	13.4	13.6	0.22	2.38	2.60	36,875
Area	15.6	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Energy	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	8,869
Water	—	—	—	—	—	—	—	—	—	—	405
Waste	—	—	—	—	—	—	—	—	—	—	243
Refrig.	—	—	—	—	—	—	—	—	—	—	26.1
Stationary	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	37.8	16.9	155	0.37	0.29	13.4	13.6	0.27	2.38	2.65	47,614
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	19.2	14.9	147	0.34	0.23	12.8	13.0	0.21	2.27	2.49	35,718
Area	20.4	0.58	41.0	< 0.005	0.04	—	0.04	0.05	—	0.05	328
Energy	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	8,869
Water	—	—	—	—	—	—	—	—	—	—	405
Waste	—	—	—	—	—	—	—	—	—	—	243
Refrig.	—	—	—	—	—	—	—	—	—	—	26.1
Stationary	3.24	1.59	8.25	0.02	0.03	—	0.03	0.03	—	0.03	1,662
Total	42.9	17.4	196	0.36	0.32	12.8	13.1	0.32	2.27	2.59	47,250
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.50	2.73	26.8	0.06	0.04	2.33	2.37	0.04	0.42	0.45	5,913
Area	3.72	0.11	7.48	< 0.005	0.01	—	0.01	0.01	—	0.01	54.3

Energy	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	1,468
Water	—	—	—	—	—	—	—	—	—	—	67.0
Waste	—	—	—	—	—	—	—	—	—	—	40.3
Refrig.	—	—	—	—	—	—	—	—	—	—	4.31
Stationary	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275
Total	7.82	3.17	35.8	0.07	0.06	2.33	2.39	0.06	0.42	0.47	7,823

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	2,256
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	880
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	5,180

Strip Mall	—	—	—	—	—	—	—	—	—	—	245
Total	—	—	—	—	—	—	—	—	—	—	8,561
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	2,256
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	880
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	5,180
Strip Mall	—	—	—	—	—	—	—	—	—	—	245
Total	—	—	—	—	—	—	—	—	—	—	8,561
Annual	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	374
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	146
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	858
Strip Mall	—	—	—	—	—	—	—	—	—	—	40.6
Total	—	—	—	—	—	—	—	—	—	—	1,417

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	2,256
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	880
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	5,180
Strip Mall	—	—	—	—	—	—	—	—	—	—	245
Total	—	—	—	—	—	—	—	—	—	—	8,561
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	2,256
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	880
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	5,180
Strip Mall	—	—	—	—	—	—	—	—	—	—	245
Total	—	—	—	—	—	—	—	—	—	—	8,561
Annual	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	374
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	146
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	858
Strip Mall	—	—	—	—	—	—	—	—	—	—	40.6
Total	—	—	—	—	—	—	—	—	—	—	1,417

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	308
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	308
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	308
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	308
Annual	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00

High Turnover (Sit Down Restaurant)	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	51.0
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	51.0

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	308
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	308
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	308
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00

Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.01	0.26	0.22	< 0.005	0.02	—	0.02	0.02	—	0.02	308
Annual	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	51.0
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	51.0

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.02	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Consumer Products	14.4	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.18	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	6.98	0.55	59.7	< 0.005	0.04	—	0.04	0.06	—	0.06	192
Total	22.6	0.75	59.8	< 0.005	0.05	—	0.05	0.07	—	0.07	388
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Hearths	0.02	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Consumer Products	14.4	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.18	—	—	—	—	—	—	—	—	—	—
Total	15.6	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Annual	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	0.04	0.02	0.00	< 0.005	—	< 0.005	< 0.005	—	< 0.005	32.4
Consumer Products	2.63	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.22	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.87	0.07	7.46	< 0.005	0.01	—	0.01	0.01	—	0.01	21.8
Total	3.72	0.11	7.48	< 0.005	0.01	—	0.01	0.01	—	0.01	54.3

4.3.1. Mitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.02	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Consumer Products	14.4	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.18	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	6.98	0.55	59.7	< 0.005	0.04	—	0.04	0.06	—	0.06	192
Total	22.6	0.75	59.8	< 0.005	0.05	—	0.05	0.07	—	0.07	388
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Hearths	0.02	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Consumer Products	14.4	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.18	—	—	—	—	—	—	—	—	—	—
Total	15.6	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Annual	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	0.04	0.02	0.00	< 0.005	—	< 0.005	< 0.005	—	< 0.005	32.4
Consumer Products	2.63	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.22	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.87	0.07	7.46	< 0.005	0.01	—	0.01	0.01	—	0.01	21.8
Total	3.72	0.11	7.48	< 0.005	0.01	—	0.01	0.01	—	0.01	54.3

4.4. Water Emissions by Land Use

4.4.2. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	69.5
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	419
Strip Mall	—	—	—	—	—	—	—	—	—	—	17.0

Total	—	—	—	—	—	—	—	—	—	—	506
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	69.5
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	419
Strip Mall	—	—	—	—	—	—	—	—	—	—	17.0
Total	—	—	—	—	—	—	—	—	—	—	506
Annual	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	11.5
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	69.4
Strip Mall	—	—	—	—	—	—	—	—	—	—	2.81
Total	—	—	—	—	—	—	—	—	—	—	83.7

4.4.1. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	55.6
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	335
Strip Mall	—	—	—	—	—	—	—	—	—	—	13.6
Total	—	—	—	—	—	—	—	—	—	—	405
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	55.6
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	335
Strip Mall	—	—	—	—	—	—	—	—	—	—	13.6
Total	—	—	—	—	—	—	—	—	—	—	405
Annual	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	9.20
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	55.5
Strip Mall	—	—	—	—	—	—	—	—	—	—	2.25
Total	—	—	—	—	—	—	—	—	—	—	67.0

4.5. Waste Emissions by Land Use

4.5.2. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	306
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	698
Strip Mall	—	—	—	—	—	—	—	—	—	—	27.0
Total	—	—	—	—	—	—	—	—	—	—	1,031
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	306
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	698
Strip Mall	—	—	—	—	—	—	—	—	—	—	27.0
Total	—	—	—	—	—	—	—	—	—	—	1,031
Annual	—	—	—	—	—	—	—	—	—	—	—

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	50.7
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	116
Strip Mall	—	—	—	—	—	—	—	—	—	—	4.47
Total	—	—	—	—	—	—	—	—	—	—	171

4.5.1. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	72.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	165
Strip Mall	—	—	—	—	—	—	—	—	—	—	6.38
Total	—	—	—	—	—	—	—	—	—	—	243
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	72.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	165
Strip Mall	—	—	—	—	—	—	—	—	—	—	6.38
Total	—	—	—	—	—	—	—	—	—	—	243
Annual	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	12.0
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	27.3
Strip Mall	—	—	—	—	—	—	—	—	—	—	1.06
Total	—	—	—	—	—	—	—	—	—	—	40.3

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	21.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	4.63
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.09

Total	—	—	—	—	—	—	—	—	—	—	26.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	21.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	4.63
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.09
Total	—	—	—	—	—	—	—	—	—	—	26.1
Annual	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	3.53
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.77
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.01
Total	—	—	—	—	—	—	—	—	—	—	4.31

4.6.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	21.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	4.63
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.09
Total	—	—	—	—	—	—	—	—	—	—	26.1

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	21.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	4.63
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.09
Total	—	—	—	—	—	—	—	—	—	—	26.1
Annual	—	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	3.53
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.77
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.01
Total	—	—	—	—	—	—	—	—	—	—	4.31

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—
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4.7.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001

Total	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Annual	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275
Total	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275

4.8.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Annual	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275
Total	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

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	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	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	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	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	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	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

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	6,244	6,452	5,517	2,251,998	46,392	47,938	40,991	16,732,069

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	6,244	6,452	5,517	2,251,998	46,392	47,938	40,991	16,732,069

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	4
Electric Fireplaces	0
No Fireplaces	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	4
Electric Fireplaces	0
No Fireplaces	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
1310233.7249999999	436,745	40,950	13,650	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Enclosed Parking with Elevator	1,796,989	455	0.0489	0.0069	0.00
High Turnover (Sit Down Restaurant)	700,628	455	0.0489	0.0069	958,230
Apartments Mid Rise	4,125,327	455	0.0489	0.0069	0.00
Strip Mall	195,379	455	0.0489	0.0069	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Enclosed Parking with Elevator	1,796,989	455	0.0489	0.0069	0.00
High Turnover (Sit Down Restaurant)	700,628	455	0.0489	0.0069	958,230
Apartments Mid Rise	4,125,327	455	0.0489	0.0069	0.00
Strip Mall	195,379	455	0.0489	0.0069	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Enclosed Parking with Elevator	0.00	0.00
High Turnover (Sit Down Restaurant)	4,143,235	0.00
Apartments Mid Rise	24,526,160	1,202,881
Strip Mall	1,011,090	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Enclosed Parking with Elevator	0.00	0.00
High Turnover (Sit Down Restaurant)	3,314,588	0.00
Apartments Mid Rise	19,620,928	962,305
Strip Mall	808,872	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Enclosed Parking with Elevator	0.00	0.00
High Turnover (Sit Down Restaurant)	162	0.00
Apartments Mid Rise	164	0.00
Strip Mall	14.3	0.00

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Enclosed Parking with Elevator	0.00	0.00
High Turnover (Sit Down Restaurant)	38.3	0.00
Apartments Mid Rise	38.8	0.00
Strip Mall	3.38	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0

Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	3.00	0.33	200	600	0.73

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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5.17. User Defined

Equipment Type	Fuel Type
—	—

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	8.06	annual days of extreme heat

Extreme Precipitation	4.50	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	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 ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. 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 (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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 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	40.0
AQ-PM	64.7
AQ-DPM	79.1
Drinking Water	71.7
Lead Risk Housing	21.1
Pesticides	0.00

Toxic Releases	80.8
Traffic	77.7
Effect Indicators	—
CleanUp Sites	74.4
Groundwater	86.2
Haz Waste Facilities/Generators	56.4
Impaired Water Bodies	99.6
Solid Waste	55.5
Sensitive Population	—
Asthma	13.1
Cardio-vascular	14.8
Low Birth Weights	54.8
Socioeconomic Factor Indicators	—
Education	18.8
Housing	78.1
Linguistic	41.4
Poverty	38.1
Unemployment	9.72

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	66.23893238
Employed	55.84498909
Median HI	76.76119595
Education	—

Bachelor's or higher	91.36404466
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	86.34672142
Active commuting	50.8020018
Social	—
2-parent households	9.80366996
Voting	64.49377647
Neighborhood	—
Alcohol availability	47.37585012
Park access	81.35506224
Retail density	58.1675863
Supermarket access	76.08109842
Tree canopy	50.8020018
Housing	—
Homeownership	50.58385731
Housing habitability	74.43859874
Low-inc homeowner severe housing cost burden	32.50352881
Low-inc renter severe housing cost burden	79.13512126
Uncrowded housing	92.9038881
Health Outcomes	—
Insured adults	81.30373412
Arthritis	17.5
Asthma ER Admissions	89.1
High Blood Pressure	15.4
Cancer (excluding skin)	6.6

Asthma	80.2
Coronary Heart Disease	17.4
Chronic Obstructive Pulmonary Disease	56.7
Diagnosed Diabetes	57.0
Life Expectancy at Birth	81.4
Cognitively Disabled	26.7
Physically Disabled	45.1
Heart Attack ER Admissions	91.5
Mental Health Not Good	87.0
Chronic Kidney Disease	45.1
Obesity	75.0
Pedestrian Injuries	48.4
Physical Health Not Good	70.2
Stroke	34.3
Health Risk Behaviors	—
Binge Drinking	71.2
Current Smoker	89.0
No Leisure Time for Physical Activity	82.1
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	61.9
Children	73.7
Elderly	6.3
English Speaking	52.1
Foreign-born	56.5
Outdoor Workers	98.2
Climate Change Adaptive Capacity	—

Impervious Surface Cover	12.3
Traffic Density	74.6
Traffic Access	64.6
Other Indices	—
Hardship	20.2
Other Decision Support	—
2016 Voting	64.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	49.0
Healthy Places Index Score for Project Location (b)	78.0
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
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Characteristics: Utility Information	SB 100 for Year 2026
Land Use	Residential square footage consistent with Project Description 6.06 acre site
Construction: Construction Phases	See construction assumptions
Construction: Off-Road Equipment	see construction assumptions
Construction: Trips and VMT	see construction assumptions
Operations: Hearths	4 propane fire pits in common areas
Operations: Generators + Pumps EF	SCAQMD Rule 1470 Table 1 (Located at Sensitive Receptor (0.01 g PM/bhp-hr).
Characteristics: Project Details	South Coast Air Basin
Operations: Energy Use	see GHG parameters - adjustment for all electric ordinance less cooking for restaurant.
Construction: On-Road Fugitive Dust	Given Project site constraints (active construction zone and excavation across the site), it is conservatively assumed that haul trucks would be limited to approximately 15 mph on unpaved roads. Furthermore, much of the hauling activity for demolition would be on paved surfaces, but this analysis assumes 100% unpaved. In addition, all deliveries would be made to staging areas in which the surface would be stabilized. However, it was conservatively assumed that the surface would be water twice daily.
Construction: Dust From Material Movement	Compliance with SCAQMD Rule 403
Operations: Emergency Generators and Fire Pumps	Hours reflect SCAQMD Rule 1470 permitted hours.

Paseo Marina - Project Option B (Year 2026) No MXD Detailed Report

Table of Contents

- 1. Basic Project Information
 - 1.1. Basic Project Information
 - 1.2. Land Use Types
 - 1.3. User-Selected Emission Reduction Measures by Emissions Sector
- 2. Emissions Summary
 - 2.4. Operations Emissions Compared Against Thresholds
 - 2.5. Operations Emissions by Sector, Unmitigated
 - 2.6. Operations Emissions by Sector, Mitigated
- 4. Operations Emissions Details
 - 4.1. Mobile Emissions by Land Use
 - 4.1.1. Unmitigated
 - 4.1.2. Mitigated
 - 4.2. Energy
 - 4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.2. Unmitigated

4.3.1. Mitigated

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

4.4.1. Mitigated

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

4.5.1. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Paseo Marina - Project Option B (Year 2026) No MXD
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	8.20
Location	13450 Maxella Ave, Marina Del Rey, CA 90292, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4428
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas

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 Office Building	90.0	1000sqft	0.00	90,000	0.00	—	—	—
Enclosed Parking with Elevator	1,287	Space	0.00	514,800	0.00	—	—	—

High Turnover (Sit Down Restaurant)	20.0	1000sqft	0.00	20,000	0.00	—	—	—
Apartments Mid Rise	425	Dwelling Unit	6.06	428,994	109,745	—	957	—
Strip Mall	20.0	1000sqft	0.00	20,000	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Water	W-7	Adopt a Water Conservation Strategy
Waste	S-1/S-2	Implement Waste Reduction Plan

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	44.1	18.1	242	0.44	0.38	15.5	15.9	0.38	2.76	3.14	58,221
Mit.	44.1	18.1	242	0.44	0.38	15.5	15.9	0.38	2.76	3.14	57,248
% Reduced	—	—	—	—	—	—	—	—	—	—	2%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	37.1	19.1	176	0.42	0.34	15.5	15.9	0.32	2.76	3.08	56,090
Mit.	37.1	19.1	176	0.42	0.34	15.5	15.9	0.32	2.76	3.08	55,118
% Reduced	—	—	—	—	—	—	—	—	—	—	2%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—

Unmit.	42.0	19.6	212	0.42	0.37	14.9	15.3	0.36	2.66	3.02	55,793
Mit.	42.0	19.6	212	0.42	0.37	14.9	15.3	0.36	2.66	3.02	54,820
% Reduced	—	—	—	—	—	—	—	—	—	—	2%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.67	3.57	38.8	0.08	0.07	2.73	2.79	0.07	0.49	0.55	9,237
Mit.	7.67	3.57	38.8	0.08	0.07	2.73	2.79	0.07	0.49	0.55	9,076
% Reduced	—	—	—	—	—	—	—	—	—	—	2%

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	22.4	16.1	184	0.43	0.28	15.5	15.8	0.26	2.76	3.02	44,694
Area	19.8	0.67	52.3	< 0.005	0.06	—	0.06	0.07	—	0.07	381
Energy	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	10,341
Water	—	—	—	—	—	—	—	—	—	—	673
Waste	—	—	—	—	—	—	—	—	—	—	1,097
Refrig.	—	—	—	—	—	—	—	—	—	—	34.7
Stationary	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	44.1	18.1	242	0.44	0.38	15.5	15.9	0.38	2.76	3.14	58,221
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	22.1	17.6	170	0.41	0.28	15.5	15.8	0.26	2.76	3.02	42,749
Area	13.0	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Energy	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	10,341
Water	—	—	—	—	—	—	—	—	—	—	673
Waste	—	—	—	—	—	—	—	—	—	—	1,097

Refrig.	—	—	—	—	—	—	—	—	—	—	34.7
Stationary	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	37.1	19.1	176	0.42	0.34	15.5	15.9	0.32	2.76	3.08	56,090
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	21.1	17.1	168	0.40	0.27	14.9	15.2	0.25	2.66	2.91	41,664
Area	17.7	0.53	35.8	< 0.005	0.04	—	0.04	0.05	—	0.05	323
Energy	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	10,341
Water	—	—	—	—	—	—	—	—	—	—	673
Waste	—	—	—	—	—	—	—	—	—	—	1,097
Refrig.	—	—	—	—	—	—	—	—	—	—	34.7
Stationary	3.24	1.59	8.25	0.02	0.03	—	0.03	0.03	—	0.03	1,662
Total	42.0	19.6	212	0.42	0.37	14.9	15.3	0.36	2.66	3.02	55,793
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.85	3.12	30.7	0.07	0.05	2.73	2.77	0.05	0.49	0.53	6,898
Area	3.22	0.10	6.54	< 0.005	0.01	—	0.01	0.01	—	0.01	53.4
Energy	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	1,712
Water	—	—	—	—	—	—	—	—	—	—	111
Waste	—	—	—	—	—	—	—	—	—	—	182
Refrig.	—	—	—	—	—	—	—	—	—	—	5.74
Stationary	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275
Total	7.67	3.57	38.8	0.08	0.07	2.73	2.79	0.07	0.49	0.55	9,237

2.6. Operations Emissions by Sector, Mitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Paseo Marina - Project Option B (Year 2026) No MXD Detailed Report, 2/23/2023

Mobile	22.4	16.1	184	0.43	0.28	15.5	15.8	0.26	2.76	3.02	44,694
Area	19.8	0.67	52.3	< 0.005	0.06	—	0.06	0.07	—	0.07	381
Energy	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	10,341
Water	—	—	—	—	—	—	—	—	—	—	538
Waste	—	—	—	—	—	—	—	—	—	—	259
Refrig.	—	—	—	—	—	—	—	—	—	—	34.7
Stationary	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	44.1	18.1	242	0.44	0.38	15.5	15.9	0.38	2.76	3.14	57,248
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	22.1	17.6	170	0.41	0.28	15.5	15.8	0.26	2.76	3.02	42,749
Area	13.0	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Energy	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	10,341
Water	—	—	—	—	—	—	—	—	—	—	538
Waste	—	—	—	—	—	—	—	—	—	—	259
Refrig.	—	—	—	—	—	—	—	—	—	—	34.7
Stationary	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	37.1	19.1	176	0.42	0.34	15.5	15.9	0.32	2.76	3.08	55,118
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	21.1	17.1	168	0.40	0.27	14.9	15.2	0.25	2.66	2.91	41,664
Area	17.7	0.53	35.8	< 0.005	0.04	—	0.04	0.05	—	0.05	323
Energy	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	10,341
Water	—	—	—	—	—	—	—	—	—	—	538
Waste	—	—	—	—	—	—	—	—	—	—	259
Refrig.	—	—	—	—	—	—	—	—	—	—	34.7
Stationary	3.24	1.59	8.25	0.02	0.03	—	0.03	0.03	—	0.03	1,662
Total	42.0	19.6	212	0.42	0.37	14.9	15.3	0.36	2.66	3.02	54,820
Annual	—	—	—	—	—	—	—	—	—	—	—

Mobile	3.85	3.12	30.7	0.07	0.05	2.73	2.77	0.05	0.49	0.53	6,898
Area	3.22	0.10	6.54	< 0.005	0.01	—	0.01	0.01	—	0.01	53.4
Energy	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	1,712
Water	—	—	—	—	—	—	—	—	—	—	89.1
Waste	—	—	—	—	—	—	—	—	—	—	42.9
Refrig.	—	—	—	—	—	—	—	—	—	—	5.74
Stationary	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275
Total	7.67	3.57	38.8	0.08	0.07	2.73	2.79	0.07	0.49	0.55	9,076

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	2,509
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	2,386

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1,289
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3,345
Strip Mall	—	—	—	—	—	—	—	—	—	—	359
Total	—	—	—	—	—	—	—	—	—	—	9,889
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	2,509
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	2,386
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1,289
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3,345
Strip Mall	—	—	—	—	—	—	—	—	—	—	359
Total	—	—	—	—	—	—	—	—	—	—	9,889
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	415
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	395
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	213
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	554
Strip Mall	—	—	—	—	—	—	—	—	—	—	59.5

Total	—	—	—	—	—	—	—	—	—	—	1,637
-------	---	---	---	---	---	---	---	---	---	---	-------

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	2,509
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	2,386
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1,289
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3,345
Strip Mall	—	—	—	—	—	—	—	—	—	—	359
Total	—	—	—	—	—	—	—	—	—	—	9,889
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	2,509
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	2,386
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1,289
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3,345
Strip Mall	—	—	—	—	—	—	—	—	—	—	359

Total	—	—	—	—	—	—	—	—	—	—	9,889
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	415
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	395
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	213
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	554
Strip Mall	—	—	—	—	—	—	—	—	—	—	59.5
Total	—	—	—	—	—	—	—	—	—	—	1,637

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	451
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	451

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	451
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	451
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	74.7
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	74.7

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
----------	-----	-----	----	-----	-------	-------	-------	--------	--------	--------	------

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	451
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	451
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	451
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	451
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00

High Turnover (Sit Down Restaurant)	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	74.7
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	74.7

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.02	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Consumer Products	12.0	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.07	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	6.74	0.47	52.1	< 0.005	0.05	—	0.05	0.06	—	0.06	185
Total	19.8	0.67	52.3	< 0.005	0.06	—	0.06	0.07	—	0.07	381
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.02	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Consumer Products	12.0	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.07	—	—	—	—	—	—	—	—	—	—
Total	13.0	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196

Annual	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	0.04	0.02	0.00	< 0.005	—	< 0.005	< 0.005	—	< 0.005	32.4
Consumer Products	2.18	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.19	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.84	0.06	6.52	< 0.005	0.01	—	0.01	0.01	—	0.01	21.0
Total	3.22	0.10	6.54	< 0.005	0.01	—	0.01	0.01	—	0.01	53.4

4.3.1. Mitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.02	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Consumer Products	12.0	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.07	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	6.74	0.47	52.1	< 0.005	0.05	—	0.05	0.06	—	0.06	185
Total	19.8	0.67	52.3	< 0.005	0.06	—	0.06	0.07	—	0.07	381
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.02	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Consumer Products	12.0	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.07	—	—	—	—	—	—	—	—	—	—
Total	13.0	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196

Annual	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	0.04	0.02	0.00	< 0.005	—	< 0.005	< 0.005	—	< 0.005	32.4
Consumer Products	2.18	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.19	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.84	0.06	6.52	< 0.005	0.01	—	0.01	0.01	—	0.01	21.0
Total	3.22	0.10	6.54	< 0.005	0.01	—	0.01	0.01	—	0.01	53.4

4.4. Water Emissions by Land Use

4.4.2. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	268
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	102
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	278
Strip Mall	—	—	—	—	—	—	—	—	—	—	24.8
Total	—	—	—	—	—	—	—	—	—	—	673
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

General Office Building	—	—	—	—	—	—	—	—	—	—	268
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	102
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	278
Strip Mall	—	—	—	—	—	—	—	—	—	—	24.8
Total	—	—	—	—	—	—	—	—	—	—	673
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	44.4
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	16.9
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	46.0
Strip Mall	—	—	—	—	—	—	—	—	—	—	4.11
Total	—	—	—	—	—	—	—	—	—	—	111

4.4.1. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

General Office Building	—	—	—	—	—	—	—	—	—	—	215
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	81.4
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	223
Strip Mall	—	—	—	—	—	—	—	—	—	—	19.9
Total	—	—	—	—	—	—	—	—	—	—	538
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	215
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	81.4
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	223
Strip Mall	—	—	—	—	—	—	—	—	—	—	19.9
Total	—	—	—	—	—	—	—	—	—	—	538
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	35.5
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	13.5
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	36.8
Strip Mall	—	—	—	—	—	—	—	—	—	—	3.29
Total	—	—	—	—	—	—	—	—	—	—	89.1

4.5. Waste Emissions by Land Use

4.5.2. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	158
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	449
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	451
Strip Mall	—	—	—	—	—	—	—	—	—	—	39.6
Total	—	—	—	—	—	—	—	—	—	—	1,097
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	158

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	449
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	451
Strip Mall	—	—	—	—	—	—	—	—	—	—	39.6
Total	—	—	—	—	—	—	—	—	—	—	1,097
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	26.1
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	74.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	74.6
Strip Mall	—	—	—	—	—	—	—	—	—	—	6.56
Total	—	—	—	—	—	—	—	—	—	—	182

4.5.1. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	37.2

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	106
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	106
Strip Mall	—	—	—	—	—	—	—	—	—	—	9.34
Total	—	—	—	—	—	—	—	—	—	—	259
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	37.2
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	106
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	106
Strip Mall	—	—	—	—	—	—	—	—	—	—	9.34
Total	—	—	—	—	—	—	—	—	—	—	259
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	6.17
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	17.5

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	17.6
Strip Mall	—	—	—	—	—	—	—	—	—	—	1.55
Total	—	—	—	—	—	—	—	—	—	—	42.9

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.22
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	31.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3.07
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.12
Total	—	—	—	—	—	—	—	—	—	—	34.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.22
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	31.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3.07
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.12
Total	—	—	—	—	—	—	—	—	—	—	34.7

Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.04
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	5.18
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.51
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.02
Total	—	—	—	—	—	—	—	—	—	—	5.74

4.6.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.22
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	31.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3.07
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.12
Total	—	—	—	—	—	—	—	—	—	—	34.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.22
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	31.3

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3.07
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.12
Total	—	—	—	—	—	—	—	—	—	—	34.7
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.04
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	5.18
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.51
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.02
Total	—	—	—	—	—	—	—	—	—	—	5.74

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Annual	—	—	—	—	—	—	—	—	—	—	—

Emergency Generator	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275
Total	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275

4.8.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Annual	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275
Total	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

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

4.9.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

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	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	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	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	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	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	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

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	6,939	6,649	5,390	2,436,844	55,720	53,391	43,282	19,567,806

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	6,939	6,649	5,390	2,436,844	55,720	53,391	43,282	19,567,806

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	4
Electric Fireplaces	0
No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	4
Electric Fireplaces	0

No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
868712.85	289,571	195,000	65,000	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
General Office Building	1,998,698	455	0.0489	0.0069	0.00

Enclosed Parking with Elevator	1,900,349	455	0.0489	0.0069	0.00
High Turnover (Sit Down Restaurant)	1,026,561	455	0.0489	0.0069	1,404,000
Apartments Mid Rise	2,664,535	455	0.0489	0.0069	0.00
Strip Mall	286,270	455	0.0489	0.0069	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
General Office Building	1,998,698	455	0.0489	0.0069	0.00
Enclosed Parking with Elevator	1,900,349	455	0.0489	0.0069	0.00
High Turnover (Sit Down Restaurant)	1,026,561	455	0.0489	0.0069	1,404,000
Apartments Mid Rise	2,664,535	455	0.0489	0.0069	0.00
Strip Mall	286,270	455	0.0489	0.0069	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Office Building	15,996,037	0.00
Enclosed Parking with Elevator	0.00	0.00
High Turnover (Sit Down Restaurant)	6,070,674	0.00
Apartments Mid Rise	15,841,365	1,881,156
Strip Mall	1,481,450	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Office Building	12,796,830	0.00
Enclosed Parking with Elevator	0.00	0.00
High Turnover (Sit Down Restaurant)	4,856,539	0.00
Apartments Mid Rise	12,673,092	1,504,925
Strip Mall	1,185,160	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Office Building	83.7	0.00
Enclosed Parking with Elevator	0.00	0.00
High Turnover (Sit Down Restaurant)	238	0.00
Apartments Mid Rise	106	0.00
Strip Mall	21.0	0.00

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Office Building	19.8	0.00
Enclosed Parking with Elevator	0.00	0.00
High Turnover (Sit Down Restaurant)	56.2	0.00
Apartments Mid Rise	25.1	0.00
Strip Mall	4.96	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
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Emergency Generator	Diesel	3.00	0.33	200	600	0.73
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5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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5.17. User Defined

Equipment Type	Fuel Type
—	—

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	8.06	annual days of extreme heat
Extreme Precipitation	4.50	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	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 ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. 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 (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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 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	40.0
AQ-PM	64.7
AQ-DPM	79.1
Drinking Water	71.7
Lead Risk Housing	21.1
Pesticides	0.00
Toxic Releases	80.8
Traffic	77.7
Effect Indicators	—
CleanUp Sites	74.4
Groundwater	86.2
Haz Waste Facilities/Generators	56.4
Impaired Water Bodies	99.6
Solid Waste	55.5
Sensitive Population	—
Asthma	13.1
Cardio-vascular	14.8

Low Birth Weights	54.8
Socioeconomic Factor Indicators	—
Education	18.8
Housing	78.1
Linguistic	41.4
Poverty	38.1
Unemployment	9.72

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	66.23893238
Employed	55.84498909
Median HI	76.76119595
Education	—
Bachelor's or higher	91.36404466
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	86.34672142
Active commuting	50.8020018
Social	—
2-parent households	9.80366996
Voting	64.49377647
Neighborhood	—
Alcohol availability	47.37585012

Park access	81.35506224
Retail density	58.1675863
Supermarket access	76.08109842
Tree canopy	50.8020018
Housing	—
Homeownership	50.58385731
Housing habitability	74.43859874
Low-inc homeowner severe housing cost burden	32.50352881
Low-inc renter severe housing cost burden	79.13512126
Uncrowded housing	92.9038881
Health Outcomes	—
Insured adults	81.30373412
Arthritis	17.5
Asthma ER Admissions	89.1
High Blood Pressure	15.4
Cancer (excluding skin)	6.6
Asthma	80.2
Coronary Heart Disease	17.4
Chronic Obstructive Pulmonary Disease	56.7
Diagnosed Diabetes	57.0
Life Expectancy at Birth	81.4
Cognitively Disabled	26.7
Physically Disabled	45.1
Heart Attack ER Admissions	91.5
Mental Health Not Good	87.0
Chronic Kidney Disease	45.1
Obesity	75.0

Pedestrian Injuries	48.4
Physical Health Not Good	70.2
Stroke	34.3
Health Risk Behaviors	—
Binge Drinking	71.2
Current Smoker	89.0
No Leisure Time for Physical Activity	82.1
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	61.9
Children	73.7
Elderly	6.3
English Speaking	52.1
Foreign-born	56.5
Outdoor Workers	98.2
Climate Change Adaptive Capacity	—
Impervious Surface Cover	12.3
Traffic Density	74.6
Traffic Access	64.6
Other Indices	—
Hardship	20.2
Other Decision Support	—
2016 Voting	64.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	49.0

Healthy Places Index Score for Project Location (b)	78.0
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
Characteristics: Utility Information	SB 100
Land Use	957 Population to match the VMT Calculator
Operations: Hearths	4 propane fire pits in common areas
Operations: Energy Use	see GHG parameters - adjustment for all electric ordinance less cooking for restaurant.
Characteristics: Project Details	South Coast Air Basin
Construction: Construction Phases	see construction assumptions
Construction: Off-Road Equipment	see construction assumptions
Construction: Trips and VMT	see construction assumptions

<p>Construction: On-Road Fugitive Dust</p>	<p>Given Project site constraints (active construction zone and excavation across the site), it is conservatively assumed that haul trucks would be limited to approximately 15 mph on unpaved roads. Furthermore, much of the hauling activity for demolition would be on paved surfaces, but this analysis assumes 100% unpaved. In addition, all deliveries would be made to staging areas in which the surface would be stabilized. However, it was conservatively assumed that the surface would be water twice daily.</p>
<p>Operations: Generators + Pumps EF</p>	<p>SCAQMD Rule 1470 Table 1 (Located at Sensitive Receptor (0.01 g PM/bhp-hr).</p>
<p>Operations: Emergency Generators and Fire Pumps</p>	<p>Hours reflect SCAQMD Rule 1470 permitted hours.</p>

Paseo Marina - Project Option B (Year 2026) with TDM Detailed Report

Table of Contents

- 1. Basic Project Information
 - 1.1. Basic Project Information
 - 1.2. Land Use Types
 - 1.3. User-Selected Emission Reduction Measures by Emissions Sector
- 2. Emissions Summary
 - 2.4. Operations Emissions Compared Against Thresholds
 - 2.5. Operations Emissions by Sector, Unmitigated
 - 2.6. Operations Emissions by Sector, Mitigated
- 4. Operations Emissions Details
 - 4.1. Mobile Emissions by Land Use
 - 4.1.1. Unmitigated
 - 4.1.2. Mitigated
 - 4.2. Energy
 - 4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.2. Unmitigated

4.3.1. Mitigated

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

4.4.1. Mitigated

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

4.5.1. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Paseo Marina - Project Option B (Year 2026) with TDM
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.70
Precipitation (days)	8.20
Location	13450 Maxella Ave, Marina Del Rey, CA 90292, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4428
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas

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 Office Building	90.0	1000sqft	0.00	90,000	0.00	—	—	—
Enclosed Parking with Elevator	1,287	Space	0.00	514,800	0.00	—	—	—

High Turnover (Sit Down Restaurant)	20.0	1000sqft	0.00	20,000	0.00	—	—	—
Apartments Mid Rise	425	Dwelling Unit	6.06	428,994	109,745	—	957	—
Strip Mall	20.0	1000sqft	0.00	20,000	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Water	W-7	Adopt a Water Conservation Strategy
Waste	S-1/S-2	Implement Waste Reduction Plan

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	36.2	12.4	177	0.29	0.28	10.1	10.4	0.29	1.80	2.08	42,561
Mit.	36.2	12.4	177	0.29	0.28	10.1	10.4	0.29	1.80	2.08	41,589
% Reduced	—	—	—	—	—	—	—	—	—	—	2%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	29.3	12.9	116	0.28	0.24	10.1	10.3	0.23	1.80	2.02	41,112
Mit.	29.3	12.9	116	0.28	0.24	10.1	10.3	0.23	1.80	2.02	40,139
% Reduced	—	—	—	—	—	—	—	—	—	—	2%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—

Unmit.	34.5	13.6	153	0.28	0.28	9.70	9.98	0.27	1.73	2.00	41,195
Mit.	34.5	13.6	153	0.28	0.28	9.70	9.98	0.27	1.73	2.00	40,222
% Reduced	—	—	—	—	—	—	—	—	—	—	2%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.30	2.47	28.0	0.05	0.05	1.77	1.82	0.05	0.32	0.37	6,820
Mit.	6.30	2.47	28.0	0.05	0.05	1.77	1.82	0.05	0.32	0.37	6,659
% Reduced	—	—	—	—	—	—	—	—	—	—	2%

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	14.4	10.4	119	0.28	0.18	10.1	10.3	0.17	1.80	1.96	29,035
Area	19.8	0.67	52.3	< 0.005	0.06	—	0.06	0.07	—	0.07	381
Energy	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	10,341
Water	—	—	—	—	—	—	—	—	—	—	673
Waste	—	—	—	—	—	—	—	—	—	—	1,097
Refrig.	—	—	—	—	—	—	—	—	—	—	34.7
Stationary	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	36.2	12.4	177	0.29	0.28	10.1	10.4	0.29	1.80	2.08	42,561
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	14.3	11.4	110	0.27	0.18	10.1	10.3	0.17	1.80	1.96	27,770
Area	13.0	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Energy	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	10,341
Water	—	—	—	—	—	—	—	—	—	—	673
Waste	—	—	—	—	—	—	—	—	—	—	1,097

Refrig.	—	—	—	—	—	—	—	—	—	—	—	34.7
Stationary	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	—	1,001
Total	29.3	12.9	116	0.28	0.24	10.1	10.3	0.23	1.80	2.02	—	41,112
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.6	11.1	109	0.26	0.17	9.70	9.88	0.16	1.73	1.89	—	27,065
Area	17.7	0.53	35.8	< 0.005	0.04	—	0.04	0.05	—	0.05	—	323
Energy	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	—	10,341
Water	—	—	—	—	—	—	—	—	—	—	—	673
Waste	—	—	—	—	—	—	—	—	—	—	—	1,097
Refrig.	—	—	—	—	—	—	—	—	—	—	—	34.7
Stationary	3.24	1.59	8.25	0.02	0.03	—	0.03	0.03	—	0.03	—	1,662
Total	34.5	13.6	153	0.28	0.28	9.70	9.98	0.27	1.73	2.00	—	41,195
Annual	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.48	2.02	19.9	0.05	0.03	1.77	1.80	0.03	0.32	0.34	—	4,481
Area	3.22	0.10	6.54	< 0.005	0.01	—	0.01	0.01	—	0.01	—	53.4
Energy	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	1,712
Water	—	—	—	—	—	—	—	—	—	—	—	111
Waste	—	—	—	—	—	—	—	—	—	—	—	182
Refrig.	—	—	—	—	—	—	—	—	—	—	—	5.74
Stationary	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	—	275
Total	6.30	2.47	28.0	0.05	0.05	1.77	1.82	0.05	0.32	0.37	—	6,820

2.6. Operations Emissions by Sector, Mitigated

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

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Paseo Marina - Project Option B (Year 2026) with TDM Detailed Report, 2/23/2023

Mobile	14.4	10.4	119	0.28	0.18	10.1	10.3	0.17	1.80	1.96	29,035
Area	19.8	0.67	52.3	< 0.005	0.06	—	0.06	0.07	—	0.07	381
Energy	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	10,341
Water	—	—	—	—	—	—	—	—	—	—	538
Waste	—	—	—	—	—	—	—	—	—	—	259
Refrig.	—	—	—	—	—	—	—	—	—	—	34.7
Stationary	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	36.2	12.4	177	0.29	0.28	10.1	10.4	0.29	1.80	2.08	41,589
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	14.3	11.4	110	0.27	0.18	10.1	10.3	0.17	1.80	1.96	27,770
Area	13.0	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Energy	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	10,341
Water	—	—	—	—	—	—	—	—	—	—	538
Waste	—	—	—	—	—	—	—	—	—	—	259
Refrig.	—	—	—	—	—	—	—	—	—	—	34.7
Stationary	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	29.3	12.9	116	0.28	0.24	10.1	10.3	0.23	1.80	2.02	40,139
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.6	11.1	109	0.26	0.17	9.70	9.88	0.16	1.73	1.89	27,065
Area	17.7	0.53	35.8	< 0.005	0.04	—	0.04	0.05	—	0.05	323
Energy	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	10,341
Water	—	—	—	—	—	—	—	—	—	—	538
Waste	—	—	—	—	—	—	—	—	—	—	259
Refrig.	—	—	—	—	—	—	—	—	—	—	34.7
Stationary	3.24	1.59	8.25	0.02	0.03	—	0.03	0.03	—	0.03	1,662
Total	34.5	13.6	153	0.28	0.28	9.70	9.98	0.27	1.73	2.00	40,222
Annual	—	—	—	—	—	—	—	—	—	—	—

Mobile	2.48	2.02	19.9	0.05	0.03	1.77	1.80	0.03	0.32	0.34	4,481
Area	3.22	0.10	6.54	< 0.005	0.01	—	0.01	0.01	—	0.01	53.4
Energy	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	1,712
Water	—	—	—	—	—	—	—	—	—	—	89.1
Waste	—	—	—	—	—	—	—	—	—	—	42.9
Refrig.	—	—	—	—	—	—	—	—	—	—	5.74
Stationary	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275
Total	6.30	2.47	28.0	0.05	0.05	1.77	1.82	0.05	0.32	0.37	6,659

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	2,509
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	2,386

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1,289
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3,345
Strip Mall	—	—	—	—	—	—	—	—	—	—	359
Total	—	—	—	—	—	—	—	—	—	—	9,889
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	2,509
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	2,386
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1,289
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3,345
Strip Mall	—	—	—	—	—	—	—	—	—	—	359
Total	—	—	—	—	—	—	—	—	—	—	9,889
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	415
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	395
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	213
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	554
Strip Mall	—	—	—	—	—	—	—	—	—	—	59.5

Total	—	—	—	—	—	—	—	—	—	—	1,637
-------	---	---	---	---	---	---	---	---	---	---	-------

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	2,509
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	2,386
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1,289
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3,345
Strip Mall	—	—	—	—	—	—	—	—	—	—	359
Total	—	—	—	—	—	—	—	—	—	—	9,889
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	2,509
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	2,386
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1,289
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3,345
Strip Mall	—	—	—	—	—	—	—	—	—	—	359

Total	—	—	—	—	—	—	—	—	—	—	9,889
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	415
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	395
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	213
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	554
Strip Mall	—	—	—	—	—	—	—	—	—	—	59.5
Total	—	—	—	—	—	—	—	—	—	—	1,637

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	451
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	451

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	451
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	451
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	74.7
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	74.7

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
----------	-----	-----	----	-----	-------	-------	-------	--------	--------	--------	------

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	451
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	451
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	451
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.02	0.38	0.32	< 0.005	0.03	—	0.03	0.03	—	0.03	451
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00

High Turnover (Sit Down Restaurant)	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	74.7
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	74.7

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.02	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Consumer Products	12.0	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.07	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	6.74	0.47	52.1	< 0.005	0.05	—	0.05	0.06	—	0.06	185
Total	19.8	0.67	52.3	< 0.005	0.06	—	0.06	0.07	—	0.07	381
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.02	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Consumer Products	12.0	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.07	—	—	—	—	—	—	—	—	—	—
Total	13.0	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196

Annual	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	0.04	0.02	0.00	< 0.005	—	< 0.005	< 0.005	—	< 0.005	32.4
Consumer Products	2.18	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.19	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.84	0.06	6.52	< 0.005	0.01	—	0.01	0.01	—	0.01	21.0
Total	3.22	0.10	6.54	< 0.005	0.01	—	0.01	0.01	—	0.01	53.4

4.3.1. Mitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.02	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Consumer Products	12.0	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.07	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	6.74	0.47	52.1	< 0.005	0.05	—	0.05	0.06	—	0.06	185
Total	19.8	0.67	52.3	< 0.005	0.06	—	0.06	0.07	—	0.07	381
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.02	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196
Consumer Products	12.0	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.07	—	—	—	—	—	—	—	—	—	—
Total	13.0	0.20	0.12	0.00	0.01	—	0.01	0.01	—	0.01	196

Annual	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	0.04	0.02	0.00	< 0.005	—	< 0.005	< 0.005	—	< 0.005	32.4
Consumer Products	2.18	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.19	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.84	0.06	6.52	< 0.005	0.01	—	0.01	0.01	—	0.01	21.0
Total	3.22	0.10	6.54	< 0.005	0.01	—	0.01	0.01	—	0.01	53.4

4.4. Water Emissions by Land Use

4.4.2. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	268
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	102
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	278
Strip Mall	—	—	—	—	—	—	—	—	—	—	24.8
Total	—	—	—	—	—	—	—	—	—	—	673
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

General Office Building	—	—	—	—	—	—	—	—	—	—	268
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	102
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	278
Strip Mall	—	—	—	—	—	—	—	—	—	—	24.8
Total	—	—	—	—	—	—	—	—	—	—	673
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	44.4
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	16.9
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	46.0
Strip Mall	—	—	—	—	—	—	—	—	—	—	4.11
Total	—	—	—	—	—	—	—	—	—	—	111

4.4.1. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

General Office Building	—	—	—	—	—	—	—	—	—	—	215
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	81.4
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	223
Strip Mall	—	—	—	—	—	—	—	—	—	—	19.9
Total	—	—	—	—	—	—	—	—	—	—	538
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	215
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	81.4
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	223
Strip Mall	—	—	—	—	—	—	—	—	—	—	19.9
Total	—	—	—	—	—	—	—	—	—	—	538
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	35.5
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	13.5
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	36.8
Strip Mall	—	—	—	—	—	—	—	—	—	—	3.29
Total	—	—	—	—	—	—	—	—	—	—	89.1

4.5. Waste Emissions by Land Use

4.5.2. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	158
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	449
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	451
Strip Mall	—	—	—	—	—	—	—	—	—	—	39.6
Total	—	—	—	—	—	—	—	—	—	—	1,097
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	158

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	449
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	451
Strip Mall	—	—	—	—	—	—	—	—	—	—	39.6
Total	—	—	—	—	—	—	—	—	—	—	1,097
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	26.1
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	74.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	74.6
Strip Mall	—	—	—	—	—	—	—	—	—	—	6.56
Total	—	—	—	—	—	—	—	—	—	—	182

4.5.1. 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	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	37.2

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	106
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	106
Strip Mall	—	—	—	—	—	—	—	—	—	—	9.34
Total	—	—	—	—	—	—	—	—	—	—	259
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	37.2
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	106
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	106
Strip Mall	—	—	—	—	—	—	—	—	—	—	9.34
Total	—	—	—	—	—	—	—	—	—	—	259
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	6.17
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	17.5

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	17.6
Strip Mall	—	—	—	—	—	—	—	—	—	—	1.55
Total	—	—	—	—	—	—	—	—	—	—	42.9

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.22
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	31.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3.07
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.12
Total	—	—	—	—	—	—	—	—	—	—	34.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.22
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	31.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3.07
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.12
Total	—	—	—	—	—	—	—	—	—	—	34.7

Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.04
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	5.18
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.51
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.02
Total	—	—	—	—	—	—	—	—	—	—	5.74

4.6.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.22
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	31.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3.07
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.12
Total	—	—	—	—	—	—	—	—	—	—	34.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.22
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	31.3

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	3.07
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.12
Total	—	—	—	—	—	—	—	—	—	—	34.7
Annual	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	0.04
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	5.18
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.51
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.02
Total	—	—	—	—	—	—	—	—	—	—	5.74

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Annual	—	—	—	—	—	—	—	—	—	—	—

Emergency Generator	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275
Total	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275

4.8.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Total	1.95	0.96	4.97	0.01	0.02	—	0.02	0.02	—	0.02	1,001
Annual	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275
Total	0.59	0.29	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	275

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

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

4.9.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—

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	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	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	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	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	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	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

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	4,470	4,283	3,472	1,569,761	36,207	34,692	28,123	12,715,036

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	4,470	4,283	3,472	1,569,761	36,207	34,692	28,123	12,715,036

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	4
Electric Fireplaces	0
No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	4
Electric Fireplaces	0

No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
868712.85	289,571	195,000	65,000	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
General Office Building	1,998,698	455	0.0489	0.0069	0.00

Enclosed Parking with Elevator	1,900,349	455	0.0489	0.0069	0.00
High Turnover (Sit Down Restaurant)	1,026,561	455	0.0489	0.0069	1,404,000
Apartments Mid Rise	2,664,535	455	0.0489	0.0069	0.00
Strip Mall	286,270	455	0.0489	0.0069	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
General Office Building	1,998,698	455	0.0489	0.0069	0.00
Enclosed Parking with Elevator	1,900,349	455	0.0489	0.0069	0.00
High Turnover (Sit Down Restaurant)	1,026,561	455	0.0489	0.0069	1,404,000
Apartments Mid Rise	2,664,535	455	0.0489	0.0069	0.00
Strip Mall	286,270	455	0.0489	0.0069	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Office Building	15,996,037	0.00
Enclosed Parking with Elevator	0.00	0.00
High Turnover (Sit Down Restaurant)	6,070,674	0.00
Apartments Mid Rise	15,841,365	1,881,156
Strip Mall	1,481,450	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Office Building	12,796,830	0.00
Enclosed Parking with Elevator	0.00	0.00
High Turnover (Sit Down Restaurant)	4,856,539	0.00
Apartments Mid Rise	12,673,092	1,504,925
Strip Mall	1,185,160	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Office Building	83.7	0.00
Enclosed Parking with Elevator	0.00	0.00
High Turnover (Sit Down Restaurant)	238	0.00
Apartments Mid Rise	106	0.00
Strip Mall	21.0	0.00

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Office Building	19.8	0.00
Enclosed Parking with Elevator	0.00	0.00
High Turnover (Sit Down Restaurant)	56.2	0.00
Apartments Mid Rise	25.1	0.00
Strip Mall	4.96	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
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Emergency Generator	Diesel	3.00	0.33	200	600	0.73
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5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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5.17. User Defined

Equipment Type	Fuel Type
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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	8.06	annual days of extreme heat
Extreme Precipitation	4.50	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	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 ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. 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 (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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 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	40.0
AQ-PM	64.7
AQ-DPM	79.1
Drinking Water	71.7
Lead Risk Housing	21.1
Pesticides	0.00
Toxic Releases	80.8
Traffic	77.7
Effect Indicators	—
CleanUp Sites	74.4
Groundwater	86.2
Haz Waste Facilities/Generators	56.4
Impaired Water Bodies	99.6
Solid Waste	55.5
Sensitive Population	—
Asthma	13.1
Cardio-vascular	14.8

Low Birth Weights	54.8
Socioeconomic Factor Indicators	—
Education	18.8
Housing	78.1
Linguistic	41.4
Poverty	38.1
Unemployment	9.72

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	66.23893238
Employed	55.84498909
Median HI	76.76119595
Education	—
Bachelor's or higher	91.36404466
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	86.34672142
Active commuting	50.8020018
Social	—
2-parent households	9.80366996
Voting	64.49377647
Neighborhood	—
Alcohol availability	47.37585012

Park access	81.35506224
Retail density	58.1675863
Supermarket access	76.08109842
Tree canopy	50.8020018
Housing	—
Homeownership	50.58385731
Housing habitability	74.43859874
Low-inc homeowner severe housing cost burden	32.50352881
Low-inc renter severe housing cost burden	79.13512126
Uncrowded housing	92.9038881
Health Outcomes	—
Insured adults	81.30373412
Arthritis	17.5
Asthma ER Admissions	89.1
High Blood Pressure	15.4
Cancer (excluding skin)	6.6
Asthma	80.2
Coronary Heart Disease	17.4
Chronic Obstructive Pulmonary Disease	56.7
Diagnosed Diabetes	57.0
Life Expectancy at Birth	81.4
Cognitively Disabled	26.7
Physically Disabled	45.1
Heart Attack ER Admissions	91.5
Mental Health Not Good	87.0
Chronic Kidney Disease	45.1
Obesity	75.0

Pedestrian Injuries	48.4
Physical Health Not Good	70.2
Stroke	34.3
Health Risk Behaviors	—
Binge Drinking	71.2
Current Smoker	89.0
No Leisure Time for Physical Activity	82.1
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	61.9
Children	73.7
Elderly	6.3
English Speaking	52.1
Foreign-born	56.5
Outdoor Workers	98.2
Climate Change Adaptive Capacity	—
Impervious Surface Cover	12.3
Traffic Density	74.6
Traffic Access	64.6
Other Indices	—
Hardship	20.2
Other Decision Support	—
2016 Voting	64.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	49.0

Healthy Places Index Score for Project Location (b)	78.0
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
Characteristics: Utility Information	SB 100
Land Use	957 Population to match the VMT Calculator
Operations: Hearths	4 propane fire pits in common areas
Operations: Energy Use	see GHG parameters - adjustment for all electric ordinance less cooking for restaurant.
Characteristics: Project Details	South Coast Air Basin
Construction: Construction Phases	see construction assumptions
Construction: Off-Road Equipment	see construction assumptions
Construction: Trips and VMT	see construction assumptions

<p>Construction: On-Road Fugitive Dust</p>	<p>Given Project site constraints (active construction zone and excavation across the site), it is conservatively assumed that haul trucks would be limited to approximately 15 mph on unpaved roads. Furthermore, much of the hauling activity for demolition would be on paved surfaces, but this analysis assumes 100% unpaved. In addition, all deliveries would be made to staging areas in which the surface would be stabilized. However, it was conservatively assumed that the surface would be water twice daily.</p>
<p>Operations: Generators + Pumps EF</p>	<p>SCAQMD Rule 1470 Table 1 (Located at Sensitive Receptor (0.01 g PM/bhp-hr).</p>
<p>Operations: Emergency Generators and Fire Pumps</p>	<p>Hours reflect SCAQMD Rule 1470 permitted hours.</p>