Appendix B

Air Quality and Greenhouse Gas Emissions

6000 Hollywood Boulevard

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6000 Hollywood Boulevard

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

AIR QUALITY AND GREENHOUSE GAS EMISSIONS METHODLOGY

6000 Hollywood Boulevard Project

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6000 Hollywood Boulevard

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 6000 Hollywood Boulevard 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:

$$\text{Emissions Diesel [lbs]} = \left(\sum_i (EF_i \times Pop_i \times AvgHP_i \times Load_i \times Activity_i \right.$$

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. PM_{10} 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 61 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:

Emissions Architectural Coatings (lbs) =EF_{AC} x F *A_{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 erewill 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:

EF_{AC} = C_{VOC}/454(g/lb) x 3.785(L/gal)/180*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:

$Emissions_{AP}$ (lbs) = EF_{AP} x $A_{parking}$

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, ans 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:

Emissions Consumer Products (lbs) = EF_{CP} x Building Area

Where:

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

The factor is 1.98 x 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:

Landscaping Equipment Emissions [lbs] = (Σ_i (Units × EF_{LE} × A_{LE})$_i$)

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

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

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:

Annual Emissions [$MTCO_2e$] = (Σ_i (Units × D_E × EF_E × GWP)$_i$) ÷ 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 [CO_2 = 1, CH_4 = 21, N_2O = 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 2022 Power Content Label, which provides a CO_2 intensity of 567 pounds of CO_2 per MWh for 2022. 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:

Natural Gas Emissions (lbs) = (Σ_i (Units × D_{NG} × EF_{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.

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

[5] *CAPCOA Handbook, Table E-15.1 and Table E-15.2*

Modeling was also conducted using the Los Angeles County vehicle fleet mix for all vehicle types as provided in EMFAC2021.

Mobile source emissions were generally calculated in CalEEMod as follows:

Mobile:

Mobile Emissions [lbs] = (Σ_i (Units × ADT x D_{TRIP} × 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-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

[6] *Fehr & Peers, 6000 Hollywood Boulevard Development Project Transportation Assessment, Los Angeles, California, April 2024.*

[7] *Environmental Protection Agency, Mixed-Use Trip Generation Model. www.epa.gov/smartgrowth/mixed-use-trip-generation-model. Accessed June 21, 2023.*

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, HQTA 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:

Emissions [lbs] = (Total HP x LF x HR × 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 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 CO_2 and CH_4 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:

$$\text{Annual Emissions } [MTCO_2e] = \left(\Sigma_i \left(\text{Units} \times D_{MSW} \times EF_{MSW} \times GWP \right)_i \right) \div 1.1023$$

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 [CO_2 = 1, CH_4 = 21, N_2O = 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 annaual solid waste disposal rates used. The GHG emission factors, particularly for CH_4, 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) 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

[8] *City of Los Angeles, Sustainable City pLAn, Waste & Landfills, http://plan.lamayor.org/portfolio/waste-landfills-3rd, accessed April 1, 2022.*

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):

$$\text{Annual Emissions [MTCO}_2\text{e]} = (\Sigma_i\ (\text{Units} \times D_W \times (EI_W \div 1{,}000) \times EF_W \times GWP)_i\ ) \div 2{,}204.62$$

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]
- EI_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 [CO_2 = 1, CH_4 = 21, N_2O = 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.

6000 Hollywood Boulevard
Appendix B-2-Air Quality Worksheets

- Appendix B-2: Air Quality Worksheets
    - 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: Onsite Construction Truck Trips
    - Appendix B-2.5: CO Hotspots
    - Appendix B-2.6: Operations Truck Trips

AQ SUMMARY OF EMISSIONS WINTER
Construction Emissions (Unmitigated)

Regional (Daily) Unmitigated		ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
	2026	5	58	64	<1	20	5
	2027	5	31	61	<1	9	3
	2028	5	30	59	<1	9	3
	2029	26	29	57	<1	9	2
	MAX	26	58	64	<1	20	5
	Threshold	**75**	**100**	**550**	**150**	**150**	**55**
	Difference	**(49)**	**(42)**	**(486)**	**(150)**	**(130)**	**(50)**
	Impact	**No**	**No**	**No**	**No**	**No**	**No**

Localized (Daily) Unmitigated		ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
	2026		27	35		10	2
	2027		26	32		1	<1
	2028		25	32		<1	<1
	2029		24	31		<1	<1
	MAX		27	35		10	2
	Threshold		100	1504		13	7
	Difference		**(73)**	**(1,470)**		**(3)**	**(5)**
	Impact		**No**	**No**		**No**	**No**

Operation Emissions (Without Project Design Features)

Existing Regional Emissions (Existing Year)		ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
	Area	<1	<1	<1	<1	<1	<1
	Energy	<1	<1	<1	<1	<1	<1
	Mobile	2	2	18	<1	3	<1
	Total	3	2	18	<1	3	<1
Existing Regional Emissions (Buidout Year)		ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
	Area	<1	<1	<1	<1	<1	<1
	Energy	<1	<1	<1	<1	<1	<1
	Mobile	2	1	12	<1	3	<1
	Total	3	1	12	<1	3	<1
Project Regional Emissions (Buildout Year)		ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
	Area	12	<1	<1	<1	<1	<1
	Energy	<1	<1	<1	<1	<1	<1
	Mobile	8	6	58	<1	15	4
	Emergency Generator	<1	1	1	<1	<1	<1
	Total	21	7	60	<1	15	4

Incremental Regional Emissions (Project Less Existing)		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	7	5	46	<1	12	3
	Emergency Generator	<1	1	1	<1	<1	<1
	Total	18	6	47	<1	12	3
	Threshold	**55**	**55**	**550**	**150**	**150**	**55**
	Difference	**(37)**	**(49)**	**(503)**	**(150)**	**(138)**	**(52)**
	Impact	No	No	No	No	No	No

Project Localized (Buildout Year)							
	Onsite Total		1	1		<1	<1
	Threshold		**100**	**1504**		**3**	**2**
	Difference		**(99)**	**(1503)**		**(3)**	**(2)**
	Impact		**No**	**No**		**No**	**No**

AQ SUMMARY OF EMISSIONS SUMMER
Construction Emissions (Unmitigated)

Regional (Daily) Unmitigated	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
2026	4	80	57	<1	20	5
2027	5	30	66	<1	9	3
2028	5	29	64	<1	9	3
2029	27	37	77	<1	10	3
MAX	27	80	77	<1	20	5
Threshold	**75**	**100**	**550**	**150**	**150**	**55**
Difference	**(48)**	**(20)**	**(473)**	**(150)**	**(130)**	**(50)**
Impact	**No**	**No**	**No**	**No**	**No**	**No**

Localized (Daily) Unmitigated	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
2026		26	35		10	2
2027		26	32		1	<1
2028		25	32		<1	<1
2029		32	44		1	<1
MAX		32	44		10	2
Threshold		100	1504		13	7
Difference		**(67)**	**(1,460)**		**(3)**	**(5)**
Impact		**No**	**No**		**No**	**No**

Operation Emissions (Without Project Design Features)

Existing Regional Emissions (Existing Year)	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
Area	1	<1	1	<1	<1	<1
Energy	<1	<1	<1	<1	<1	<1
Mobile	2	2	19	<1	3	<1
Emergency Generator	<1	<1	<1	<1	<1	<1
Total	3	2	20	<1	3	<1
Existing Regional Emissions (Buidout Year)	**ROG**	**NO_x**	**CO**	**SO2**	**PM_{10}**	**$PM_{2.5}$**
Area	1	<1	1	<1	<1	<1
Energy	<1	<1	<1	<1	<1	<1
Mobile	2	1	13	<1	3	<1
Emergency Generator	<1	<1	<1	<1	<1	<1
Total	3	1	15	<1	3	<1
Project Regional Emissions (Buildout Year)	**ROG**	**NO_x**	**CO**	**SO2**	**PM_{10}**	**$PM_{2.5}$**
Area	17	<1	42	<1	<1	<1
Energy	<1	<1	<1	<1	<1	<1
Mobile	8	5	62	<1	15	4
Emergency Generator	<1	1	1	<1	<1	<1
Total	26	7	106	<1	15	4

Incremental Regional Emissions (Project Less Existing)	ROG	NO_x	CO	SO2	PM_{10}	$PM_{2.5}$
Area	16	<1	41	<1	<1	<1
Energy	-<1	-<1	-<1	-<1	-<1	-<1
Mobile	7	4	50	<1	12	3
Emergency Generator	<1	1	1	<1	<1	<1
Total	23	6	92	<1	12	3
Threshold	**55**	**55**	**550**	**150**	**150**	**55**
Difference	**(32)**	**(49)**	**(458)**	**(150)**	**(138)**	**(52)**
Impact	No	No	No	No	No	No

Project Localized (Buildout Year)						
Onsite Total		2	42		<1	<1
Threshold		**100**	**1,504**		**3**	**2**
Difference		**(98)**	**(1,462)**		**(3)**	**(2)**
Impact		**No**	**No**		**No**	**No**

Step 1. Determine Allowable Increase using 98th percentile NO2 and Max NO2 data

Central LA NO2 Monitoring Data

SRA	City	Design Value 2014-2016	98th percentile, ppb 2019	2020	2021	Threshold (ppb)	Allowable Increase (ppb)
1	Central LA	56	56	55	57	100	44

SRA	City	Design Value 2006-2008	Max Hourly, ppb 2019	2020	2021	Threshold (ppb)	Allowable Increase (ppb)
1	Central LA	120	70	62	78	180	60

Max Hourly vs. 98th Percentile Ratio (Allowable Increase)	73%

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

LST Threshold (SRA 1, 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)	
1	74	54	680	5	3	2	1	
2	108	79	1048	8	5	2	2	
5	161	118	1861	16	8	4	2	
3.73	136	100	1504	13	7	3	2	<----Interpolated Value

Hollywood Toyota Option 24: Village Scheme

Air Quality Analysis Assumptions

Construction Details	Start Date	End Date	Duration (Months)	Work Days	Max Daily Employee Trips	Max Daily Hauls	Total Hauls	Max Daily Deliveries
Overall Duration	**1/1/2026**	**8/31/2029**	**44**	1,147				
Demolition	1/1/2026	2/28/2026	2	42	25	25	554	-----
Grading/Excavation	3/1/2026	7/31/2026	5	110	75	150	15,000	5
Mat Foundation	8/1/2026	9/30/2026	2	43	75			500
Building Foundation	10/1/2026	11/30/2026	2	43	75			50
Building Construction	12/1/2026	8/31/2029	33	719	550	-----	-----	40
Paving/Landscape	5/3/2029	8/31/2029	4	87	50	-----	-----	5

Site Acreage	
	3.7
Demolition Quantities	
Building Square Footage (SF)	31,833
Parking/Asphalt (SF)	130,000
Parking (spaces)	350
Import/Export Quantities during Grading	**(CY)**
Import	-
Export	210,000

Landfill Location	Distance (miles)
Vulcan Irwindale	30
Waste Management Irwindale	30

Equipment	Demo	Grading/ Excavation	Mat Foundation	Foundation	Building Construction	Paving/ Landscape
Air Compressor	2				4	
Aerial Lift					4	
Bore/Drill Rig		1				
Cement and Mortar Mixers			4	2		1
Concrete/Industrial Saws	1			1	1	1
Cranes (Tower)				1	3	
Cranes (Mobile)		1			2	
Crawler Tractors						
Crushing/Proc. Equipment						
Excavators	1	3				
Forklifts					3	
Generator Sets						
Graders						
Off-Highway Tractors						
Water Truck		1				
Pavers						1
Paving Equipment						
Pumps		2	4	2	4	
Plate Compactors			1	2		1
Rollers		1				1
Rough Terrain Forklifts			1	1	3	1
Rubber Tired Dozers						
Rubber Tired Loaders	1	1				
Scrapers						
Signal Boards						
Skid Steer Loaders	1	1	1			1
Surfacing Equipment						
Tractors/Loaders/Backhoes	2	4	2			1
Trenchers		1	2	2	1	1
Welders			1	1	1	
Other ( )						
Total Pieces	**8**	**16**	**16**	**12**	**26**	**9**

6000 Hollywood

CO Hotspots

CO Hotspots Analysis - Maximum Impacted Intersection

	Gower Street and Hollywood Boulevard	
	Future with Project	
Direction	AM	PM
Total Intersection Volume	2673	3253
Max Daily Trips[a]	38,795	52,468
Caltrans K Factor (%)[b]	6.89%	6.20%

[a] Maximum Daily Trips are based on the Caltrans K Factor which is the percentage of the AADT in both directions during the peak hour. In consideration of the Hollywood Safety and Mobility Project, the peak daily trips at this intersection would decrease to 2,976 AADT.

[b] Caltrans K Factor obtained from 101 Freeway Monitoring Station, Postmile 5 which is closest to the Project site. Please refer to: https://dot.ca.gov/programs/traffic-operations/census

6000 Hollywood Boulevard Project

Operational Truck Trips

Truck Trips (Existing)

Land Use	TSF	Truck Trips/TSF	Truck Trips
Commerical (Automotive Dealership)	32	0.324	10.4
Total			11

Truck Trips (Buildout)

Land Use	TSF	Truck Trips/TSF	Truck Trips
Retail and Restraurant	22.542	0.324	7.3
Office	136	0.039	5.3
Residential	342.643	0.011	3.8
Total			17

A conservative estimate of the number of daily truck trips is provided based on the National Cooperative Highway Research Program Truck Trip Generation Data (Table D-2a through e).

For purposes of this discussion, all trucks would be considered diesel even though many truck deliveries are from smaller gasoline or alternative energy source trucks (e.g., UPS or FedEx). The NCHRP data did not provide the percentage of trucks that would be equipped with a transportation refrigeration unit (TRU). For the purposes of this analysis, it was estimated that one of the trucks per day would be equipped with a TRU related to restaurant use.

National Cooperative Highway Research Program (NCHRP) Synthesis 298 Truck Trip Generation Data, 2001, http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_syn_298.pdf.

6000 Hollywood Boulevard

Appendix B-3-Greenhouse Gas Emissions Worksheets

- Appendix B-3: Greenhouse Gas Worksheets
    - Appendix B-3.1: GHG Modeling Parameters and Summary of Emissions
        - GHG Emissions Summary
        - GHG Parameters
            - Carbon Intensity
            - VMT
            - EVs

6000 Hollywood

CalEEMod Output Summary	
Year	CO2e
2026	3361
2027	1840
2028	1823
2029	1308
Total	8333
30-year Amortized	278

Operational Emissions Summary (GHG)

CalEEMod Output Summary		
Baseline (Baseline Year)[a]	**CO_2e**	
Area	1	
Energy (Natural Gas)	170	
Mobile	595	
Emergency Generators	0	
Solid Waste	9	
Water/Wastewater	9	
Refrig.	1,098	
Total	1,882	
Baseline (Buildout Year)[a]	**CO_2e**	
Area	1	
Energy (Natural Gas)	133	
Mobile	518	
Emergency Generators	0	
Solid Waste	9	
Water/Wastewater	8	
Refrig.	1,098	
Total	1,767	
Buildout (Buildout Year)[b]		
Area	17	
Energy (Natural Gas and Electricity)[b]	1,174	
Mobile	2,518	(1,280) MXD reduction
Electric Vehicle Charging Credit	(63)	
Emergency Generators	23	
Solid Waste	30	
Water/Wastewater	81	
Refrig.	2	
Construction	278	
Total	**4,059**	
Project (Buildout less Baseline)		
Area	16	
Energy (Natural Gas and Electricity)	1,041	
Mobile	2,000	
Electric Vehicle Charging Credit	(63)	
Emergency Generators	23	
Solid Waste	21	
Water/Wastewater	74	
Refrig.	(1,097)	
Construction	278	
Total	**2,292**	

[a] Existing Uses

[b] Please refer to CalEEMod outputs for Future uses

6000 Hollywood

SB100 - Renewable Portfolio Standards

Year	% RPS	RPS Reduction (%)	Carbon Intensity (lbs/MWh)
2022	35		567
2024	44	-20%	451
2027	52	-15%	382
2030	60	-13%	331
2036	65	-8%	305
2045	100	-35%	0

Construction Years	Carbon Intensity (lbs/MWh)
2026	440
2027	418
2028	397
2029	375

Build Out Year	Carbon Intensity (lbs/MWh)
2029	375

6000 Hollywood

3/29/2021

LADOT VMT Calculator Data

VMT Summary

	Existing	Proposed Project	With Mitigation	Project Weekday Trips	Weekend Trips	Weekend Vs. Weekday Ratio
Daily Trips	640	3,077	3,077	1	1	**1.00**
Daily VMT	4,220	20,516	20,516			

Project without TDM (MXD Data)

	Unadjusted Trips	MXD Adjustment	MXD Trips	Average Trip Length	Unadjusted VMT	MXD VMT	Reduction vs. Unadjusted MXD (%)
Home Based Work Production	311	-36.3%	198	7.6	2,364	1,505	
Home Based Other Production	863	-46.6%	461	4.8	4,142	2,213	
Non-Home Based Other Production	822	-4.5%	785	7.1	5,836	5,574	
Home-Based Work Attraction	864	-39.4%	524	8.3	7,171	4,349	
Home-Based Other Attraction	1,321	-41.9%	767	6.1	8,058	4,679	
Non-Home Based Other Attraction	517	-5.2%	490	6.5	3,361	3,185	**30%**
Total	**4,698**				**30,932**	**21,505**	

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	-4.6%	189	1,436	-4.6%	189	1,436
Home Based Other Production	-4.6%	440	2,111	-4.6%	440	2,111
Non-Home Based Other Production	-4.6%	749	5,318	-4.6%	749	5,318
Home-Based Work Attraction	-4.6%	500	4,149	-4.6%	500	4,149
Home-Based Other Attraction	-4.6%	732	4,464	-4.6%	732	4,464
Non-Home Based Other Attraction	-4.6%	467	3,038	-4.6%	467	3,038
Total		**3,077**	**20,516**		**3,077**	**20,516**
Employee VMT			3,547			4,149
Employee VMT (percent of total)						0.202232404
Residential VMT						3,547
Residential VMT (percent of total)						0.172889452

34%

Source: Gibson Transportation

GHG Emissions Reductions for Employee Uses Associated with Electric Vehicle Charging Stations/Plugins

Step 1: Estimating GHG Emisisons Reduction to Replace Gasoline/Diesel Vehicle with Electric Vehicle

LADWP Electricity Emission Factor[1]	0.17	MTCO2E/MWh
Fuel Economy of Electric Vehicle[2]	0.41	kWh/mile
Electric Vehicle GHG Emissions	69.6	grams/mile
GHG Emissions from Employee/Residential Miles Traveled (CalEEMod)[3]	293.5	grams/mile
GHG Emissions Reduction from Additional Electric Vehicles, per mile	223.9	grams/mile

Step 2: Estimating Project Residential-Related VMT GHG Emissions

Employee/Residential Average Yearly VMT with TDM and PDFs[4]	2,809,040	miles/year
Percent of Employee/Residential Miles Driven in Electric Vehicles due to this Measure	10.0%	
Employee/Residential VMT that is Displaced by Evs due to this Measure	280,904	miles/year
GHG Emisisons Reduction from Employee/Residential Electric Vehicles	**63**	MTCO2E/MWh

Energy Usage	**114,903**

Notes:
1) CO2 intensity factor reflects a 2029 RPS for LADWP (375 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 B.4-1 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/plugins for residential uses would be fully utlized 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/).

6000 Hollywood Boulevard

Appendix B-4-Greenhouse Gas Emissions Worksheets and Modeling Output Files

- Appendix B-4: Modeling Output Files
    - Appendix B-4.1: CalEEMod Outputs
        - Existing Baseline
        - Existing Buildout
        - Project Construction Onsite
        - Project Construction
        - Project Operations
        - Project Operation (No MXD)

6000 Hollywood - Existing Baseline Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	6000 Hollywood - Existing Baseline
Operational Year	2022
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	16.8
Location	6000 Hollywood Blvd, Los Angeles, CA 90028, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4352
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.20

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
Automobile Care Center	31.8	1000sqft	0.73	31,833	0.00	0.00	—	—

Parking Lot	130	1000sqft	2.98	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

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.	3.48	2.14	20.4	0.04	0.05	2.99	3.04	0.05	0.76	0.81	11,667
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.20	2.30	17.8	0.04	0.05	2.99	3.04	0.05	0.76	0.81	11,493
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.34	2.33	19.1	0.04	0.05	2.96	3.01	0.05	0.75	0.80	11,546
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.61	0.42	3.49	0.01	0.01	0.54	0.55	0.01	0.14	0.15	1,912

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	2.44	1.82	18.8	0.04	0.03	2.99	3.02	0.02	0.76	0.78	3,714
Area	1.01	0.01	1.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	5.74

Energy	0.02	0.30	0.26	< 0.005	0.02	—	0.02	0.02	—	0.02	1,026
Water	—	—	—	—	—	—	—	—	—	—	56.8
Waste	—	—	—	—	—	—	—	—	—	—	230
Refrig.	—	—	—	—	—	—	—	—	—	—	6,634
Total	3.48	2.14	20.4	0.04	0.05	2.99	3.04	0.05	0.76	0.81	11,667
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.40	2.00	17.5	0.03	0.03	2.99	3.02	0.02	0.76	0.78	3,546
Area	0.79	—	—	—	—	—	—	—	—	—	—
Energy	0.02	0.30	0.26	< 0.005	0.02	—	0.02	0.02	—	0.02	1,026
Water	—	—	—	—	—	—	—	—	—	—	56.8
Waste	—	—	—	—	—	—	—	—	—	—	230
Refrig.	—	—	—	—	—	—	—	—	—	—	6,634
Total	3.20	2.30	17.8	0.04	0.05	2.99	3.04	0.05	0.76	0.81	11,493
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.38	2.02	17.9	0.03	0.03	2.96	2.99	0.02	0.75	0.78	3,595
Area	0.94	0.01	0.95	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	3.93
Energy	0.02	0.30	0.26	< 0.005	0.02	—	0.02	0.02	—	0.02	1,026
Water	—	—	—	—	—	—	—	—	—	—	56.8
Waste	—	—	—	—	—	—	—	—	—	—	230
Refrig.	—	—	—	—	—	—	—	—	—	—	6,634
Total	3.34	2.33	19.1	0.04	0.05	2.96	3.01	0.05	0.75	0.80	11,546
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.44	0.37	3.27	0.01	< 0.005	0.54	0.54	< 0.005	0.14	0.14	595
Area	0.17	< 0.005	0.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.65
Energy	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	170
Water	—	—	—	—	—	—	—	—	—	—	9.40
Waste	—	—	—	—	—	—	—	—	—	—	38.2

Refrig.	—	—	—	—	—	—	—	—	—	—	1,098
Total	0.61	0.42	3.49	0.01	0.01	0.54	0.55	0.01	0.14	0.15	1,912

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	484
Parking Lot	—	—	—	—	—	—	—	—	—	—	178
Total	—	—	—	—	—	—	—	—	—	—	662
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	484
Parking Lot	—	—	—	—	—	—	—	—	—	—	178
Total	—	—	—	—	—	—	—	—	—	—	662
Annual	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	80.2

Parking Lot	—	—	—	—	—	—	—	—	—	—	29.5
Total	—	—	—	—	—	—	—	—	—	—	110

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)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	0.02	0.30	0.26	< 0.005	0.02	—	0.02	0.02	—	0.02	363
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.02	0.30	0.26	< 0.005	0.02	—	0.02	0.02	—	0.02	363
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	0.02	0.30	0.26	< 0.005	0.02	—	0.02	0.02	—	0.02	363
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.02	0.30	0.26	< 0.005	0.02	—	0.02	0.02	—	0.02	363
Annual	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	60.2
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	60.2

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.70	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.09	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.23	0.01	1.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	5.74
Total	1.01	0.01	1.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	5.74
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.70	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.09	—	—	—	—	—	—	—	—	—	—
Total	0.79	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.13	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.02	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.03	< 0.005	0.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.65
Total	0.17	< 0.005	0.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.65

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

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

Automobile Care Center	—	—	—	—	—	—	—	—	—	—	56.8
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	56.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	56.8
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	56.8
Annual	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	9.40
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	9.40

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	230
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	230
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Automobile Care Center	—	—	—	—	—	—	—	—	—	—	230
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	230
Annual	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	38.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	38.2

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	6,634
Total	—	—	—	—	—	—	—	—	—	—	6,634
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	6,634
Total	—	—	—	—	—	—	—	—	—	—	6,634
Annual	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	1,098
Total	—	—	—	—	—	—	—	—	—	—	1,098

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	—	—	—	—	—	—	—	—	—	—	—

4.8. 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	—	—	—	—	—	—	—	—	—	—	—

4.9. 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	—	—	—	—	—	—	—	—	—	—	—

4.10. 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	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

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	640	640	640	233,600	4,220	4,220	4,220	1,540,300

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

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	48,000	16,000	7,800

5.10.3. Landscape Equipment

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)
Automobile Care Center	309,960	567	0.0489	0.0069	1,130,768
Parking Lot	113,880	567	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)
Automobile Care Center	3,010,595	0.00
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Automobile Care Center	122	—
Parking Lot	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
Automobile Care Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Automobile Care Center	Supermarket refrigeration and condensing units	R-404A	3,922	26.5	16.5	16.5	18.0

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

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

5.16.2. Process Boilers

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

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

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

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	7.38	annual days of extreme heat

Extreme Precipitation	6.85	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 (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	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	62.5
AQ-PM	77.2
AQ-DPM	99.3
Drinking Water	92.5
Lead Risk Housing	51.3
Pesticides	0.00

Toxic Releases	71.3
Traffic	83.5
Effect Indicators	—
CleanUp Sites	40.9
Groundwater	69.0
Haz Waste Facilities/Generators	72.0
Impaired Water Bodies	0.00
Solid Waste	0.00
Sensitive Population	—
Asthma	60.4
Cardio-vascular	46.6
Low Birth Weights	76.4
Socioeconomic Factor Indicators	—
Education	43.1
Housing	73.7
Linguistic	50.5
Poverty	54.0
Unemployment	44.4

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	25.07378417
Employed	76.27357885
Median HI	22.22507378
Education	—

Bachelor's or higher	76.90234826
High school enrollment	100
Preschool enrollment	56.34543821
Transportation	—
Auto Access	6.403182343
Active commuting	93.4813294
Social	—
2-parent households	5.787244963
Voting	12.72937251
Neighborhood	—
Alcohol availability	10.59925574
Park access	19.96663673
Retail density	98.26767612
Supermarket access	94.25125112
Tree canopy	16.82278968
Housing	—
Homeownership	8.122674195
Housing habitability	22.41755422
Low-inc homeowner severe housing cost burden	34.83895804
Low-inc renter severe housing cost burden	38.72706275
Uncrowded housing	27.38354934
Health Outcomes	—
Insured adults	27.96099063
Arthritis	70.7
Asthma ER Admissions	17.5
High Blood Pressure	44.4
Cancer (excluding skin)	66.1

Asthma	37.3
Coronary Heart Disease	40.3
Chronic Obstructive Pulmonary Disease	31.1
Diagnosed Diabetes	45.6
Life Expectancy at Birth	35.9
Cognitively Disabled	52.2
Physically Disabled	63.7
Heart Attack ER Admissions	14.1
Mental Health Not Good	30.2
Chronic Kidney Disease	55.3
Obesity	27.3
Pedestrian Injuries	96.0
Physical Health Not Good	30.9
Stroke	34.3
Health Risk Behaviors	—
Binge Drinking	35.4
Current Smoker	24.8
No Leisure Time for Physical Activity	43.3
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	39.2
Elderly	87.4
English Speaking	19.2
Foreign-born	76.9
Outdoor Workers	28.1
Climate Change Adaptive Capacity	—

Impervious Surface Cover	2.9
Traffic Density	95.4
Traffic Access	87.4
Other Indices	—
Hardship	52.1
Other Decision Support	—
2016 Voting	11.6

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	77.0
Healthy Places Index Score for Project Location (b)	35.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
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

6000 Hollywood - Existing Buildout Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	6000 Hollywood - Existing Buildout
Operational Year	2029
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	16.8
Location	6000 Hollywood Blvd, Los Angeles, CA 90028, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4352
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.20

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
Automobile Care Center	31.8	1000sqft	0.73	31,833	0.00	0.00	—	—

Parking Lot	130	1000sqft	2.98	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

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.	2.79	1.41	14.5	0.03	0.04	2.99	3.04	0.04	0.76	0.80	10,946
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.55	1.49	12.3	0.03	0.04	2.99	3.03	0.04	0.76	0.80	10,805
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.69	1.51	13.5	0.03	0.04	2.96	3.00	0.04	0.75	0.79	10,847
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.49	0.28	2.47	0.01	0.01	0.54	0.55	0.01	0.14	0.14	1,796

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	1.76	1.09	12.9	0.03	0.02	2.99	3.01	0.02	0.76	0.78	3,227
Area	1.01	0.01	1.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	5.74

Energy	0.02	0.30	0.26	< 0.005	0.02	—	0.02	0.02	—	0.02	803
Water	—	—	—	—	—	—	—	—	—	—	46.0
Waste	—	—	—	—	—	—	—	—	—	—	230
Refrig.	—	—	—	—	—	—	—	—	—	—	6,634
Total	2.79	1.41	14.5	0.03	0.04	2.99	3.04	0.04	0.76	0.80	10,946
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.74	1.19	12.1	0.03	0.02	2.99	3.01	0.02	0.76	0.78	3,091
Area	0.79	—	—	—	—	—	—	—	—	—	—
Energy	0.02	0.30	0.26	< 0.005	0.02	—	0.02	0.02	—	0.02	803
Water	—	—	—	—	—	—	—	—	—	—	46.0
Waste	—	—	—	—	—	—	—	—	—	—	230
Refrig.	—	—	—	—	—	—	—	—	—	—	6,634
Total	2.55	1.49	12.3	0.03	0.04	2.99	3.03	0.04	0.76	0.80	10,805
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.73	1.20	12.3	0.03	0.02	2.96	2.98	0.02	0.75	0.77	3,130
Area	0.94	0.01	0.95	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	3.93
Energy	0.02	0.30	0.26	< 0.005	0.02	—	0.02	0.02	—	0.02	803
Water	—	—	—	—	—	—	—	—	—	—	46.0
Waste	—	—	—	—	—	—	—	—	—	—	230
Refrig.	—	—	—	—	—	—	—	—	—	—	6,634
Total	2.69	1.51	13.5	0.03	0.04	2.96	3.00	0.04	0.75	0.79	10,847
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.32	0.22	2.25	0.01	< 0.005	0.54	0.54	< 0.005	0.14	0.14	518
Area	0.17	< 0.005	0.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.65
Energy	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	133
Water	—	—	—	—	—	—	—	—	—	—	7.61
Waste	—	—	—	—	—	—	—	—	—	—	38.2

Refrig.	—	—	—	—	—	—	—	—	—	—	1,098
Total	0.49	0.28	2.47	0.01	0.01	0.54	0.55	0.01	0.14	0.14	1,796

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	321
Parking Lot	—	—	—	—	—	—	—	—	—	—	118
Total	—	—	—	—	—	—	—	—	—	—	439
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	321
Parking Lot	—	—	—	—	—	—	—	—	—	—	118
Total	—	—	—	—	—	—	—	—	—	—	439
Annual	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	53.2

Parking Lot	—	—	—	—	—	—	—	—	—	—	19.5
Total	—	—	—	—	—	—	—	—	—	—	72.7

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)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	0.02	0.30	0.26	< 0.005	0.02	—	0.02	0.02	—	0.02	363
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.02	0.30	0.26	< 0.005	0.02	—	0.02	0.02	—	0.02	363
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	0.02	0.30	0.26	< 0.005	0.02	—	0.02	0.02	—	0.02	363
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	0.02	0.30	0.26	< 0.005	0.02	—	0.02	0.02	—	0.02	363
Annual	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	60.2
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	60.2

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.70	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.09	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.23	0.01	1.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	5.74
Total	1.01	0.01	1.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	5.74
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.70	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.09	—	—	—	—	—	—	—	—	—	—
Total	0.79	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.13	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.02	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.03	< 0.005	0.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.65
Total	0.17	< 0.005	0.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.65

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

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

Automobile Care Center	—	—	—	—	—	—	—	—	—	—	46.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	46.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	46.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	46.0
Annual	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	7.61
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	7.61

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	230
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	230
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Automobile Care Center	—	—	—	—	—	—	—	—	—	—	230
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	230
Annual	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	38.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	38.2

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	6,634
Total	—	—	—	—	—	—	—	—	—	—	6,634
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	6,634
Total	—	—	—	—	—	—	—	—	—	—	6,634
Annual	—	—	—	—	—	—	—	—	—	—	—
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	1,098
Total	—	—	—	—	—	—	—	—	—	—	1,098

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	—	—	—	—	—	—	—	—	—	—	—

4.8. 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	—	—	—	—	—	—	—	—	—	—	—

4.9. 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	—	—	—	—	—	—	—	—	—	—	—

4.10. 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	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

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	640	640	640	233,600	4,220	4,220	4,220	1,540,300

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

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	48,000	16,000	7,800

5.10.3. Landscape Equipment

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)
Automobile Care Center	309,960	375	0.0489	0.0069	1,130,768
Parking Lot	113,880	375	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)
Automobile Care Center	3,010,595	0.00
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Automobile Care Center	122	—
Parking Lot	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
Automobile Care Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Automobile Care Center	Supermarket refrigeration and condensing units	R-404A	3,922	26.5	16.5	16.5	18.0

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

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

5.16.2. Process Boilers

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

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

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

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	7.38	annual days of extreme heat

Extreme Precipitation	6.85	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 (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	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	62.5
AQ-PM	77.2
AQ-DPM	99.3
Drinking Water	92.5
Lead Risk Housing	51.3
Pesticides	0.00

Toxic Releases	71.3
Traffic	83.5
Effect Indicators	—
CleanUp Sites	40.9
Groundwater	69.0
Haz Waste Facilities/Generators	72.0
Impaired Water Bodies	0.00
Solid Waste	0.00
Sensitive Population	—
Asthma	60.4
Cardio-vascular	46.6
Low Birth Weights	76.4
Socioeconomic Factor Indicators	—
Education	43.1
Housing	73.7
Linguistic	50.5
Poverty	54.0
Unemployment	44.4

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	25.07378417
Employed	76.27357885
Median HI	22.22507378
Education	—

Bachelor's or higher	76.90234826
High school enrollment	100
Preschool enrollment	56.34543821
Transportation	—
Auto Access	6.403182343
Active commuting	93.4813294
Social	—
2-parent households	5.787244963
Voting	12.72937251
Neighborhood	—
Alcohol availability	10.59925574
Park access	19.96663673
Retail density	98.26767612
Supermarket access	94.25125112
Tree canopy	16.82278968
Housing	—
Homeownership	8.122674195
Housing habitability	22.41755422
Low-inc homeowner severe housing cost burden	34.83895804
Low-inc renter severe housing cost burden	38.72706275
Uncrowded housing	27.38354934
Health Outcomes	—
Insured adults	27.96099063
Arthritis	70.7
Asthma ER Admissions	17.5
High Blood Pressure	44.4
Cancer (excluding skin)	66.1

Asthma	37.3
Coronary Heart Disease	40.3
Chronic Obstructive Pulmonary Disease	31.1
Diagnosed Diabetes	45.6
Life Expectancy at Birth	35.9
Cognitively Disabled	52.2
Physically Disabled	63.7
Heart Attack ER Admissions	14.1
Mental Health Not Good	30.2
Chronic Kidney Disease	55.3
Obesity	27.3
Pedestrian Injuries	96.0
Physical Health Not Good	30.9
Stroke	34.3
Health Risk Behaviors	—
Binge Drinking	35.4
Current Smoker	24.8
No Leisure Time for Physical Activity	43.3
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	39.2
Elderly	87.4
English Speaking	19.2
Foreign-born	76.9
Outdoor Workers	28.1
Climate Change Adaptive Capacity	—

Impervious Surface Cover	2.9
Traffic Density	95.4
Traffic Access	87.4
Other Indices	—
Hardship	52.1
Other Decision Support	—
2016 Voting	11.6

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	77.0
Healthy Places Index Score for Project Location (b)	35.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
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

6000 Hollywood - Construction Onsite Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	6000 Hollywood - Construction Onsite
Construction Start Date	1/1/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	16.8
Location	6000 Hollywood Blvd, Los Angeles, CA 90028, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4352
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.20

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
Apartments Mid Rise	350	Dwelling Unit	3.73	342,643	55,523	—	828	—

General Office Building	136	1000sqft	0.00	136,000	0.00	—	—	—
High Turnover (Sit Down Restaurant)	4.04	1000sqft	0.00	4,038	0.00	—	—	—
Enclosed Parking with Elevator	894	Space	8.05	357,600	0.00	—	—	—
Other Non-Asphalt Surfaces	42.6	1000sqft	0.98	0.00	0.00	—	—	—
Strip Mall	18.5	1000sqft	0.00	18,504	0.00	—	—	—
Recreational Swimming Pool	0.77	1000sqft	0.02	765	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

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.	25.4	32.4	43.9	0.08	0.84	9.27	10.1	0.77	0.93	1.66	7,791
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	24.3	26.7	34.6	0.06	0.81	9.27	10.1	0.75	0.93	1.66	6,257
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	11.9	18.5	22.7	0.04	0.53	3.56	3.99	0.49	0.37	0.77	4,217
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.17	3.37	4.14	0.01	0.10	0.65	0.73	0.09	0.07	0.14	698

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)	—	—	—	—	—	—	—	—	—	—	—
2026	2.49	25.5	34.6	0.06	0.79	9.27	10.1	0.73	0.93	1.66	6,253
2027	2.75	25.8	31.7	0.06	0.74	0.31	1.05	0.68	0.03	0.71	5,887
2028	2.64	24.9	31.6	0.06	0.66	0.31	0.97	0.61	0.03	0.64	5,886
2029	25.4	32.4	43.9	0.08	0.84	0.35	1.19	0.77	0.04	0.81	7,791
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2026	2.85	26.7	34.6	0.06	0.81	9.27	10.1	0.75	0.93	1.66	6,257
2027	2.75	25.8	31.7	0.06	0.74	0.31	1.05	0.68	0.03	0.71	5,887
2028	2.64	24.9	31.6	0.06	0.66	0.31	0.97	0.61	0.03	0.64	5,887
2029	24.3	24.2	31.5	0.06	0.61	0.31	0.92	0.56	0.03	0.59	5,885
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2026	1.44	13.3	18.9	0.03	0.43	3.56	3.99	0.40	0.37	0.77	3,298
2027	1.96	18.5	22.7	0.04	0.53	0.21	0.74	0.49	0.02	0.51	4,205
2028	1.89	17.8	22.7	0.04	0.47	0.21	0.69	0.44	0.02	0.46	4,217
2029	11.9	13.5	17.9	0.03	0.34	0.15	0.49	0.32	0.02	0.33	3,254
Annual	—	—	—	—	—	—	—	—	—	—	—
2026	0.26	2.43	3.45	0.01	0.08	0.65	0.73	0.07	0.07	0.14	546
2027	0.36	3.37	4.13	0.01	0.10	0.04	0.13	0.09	< 0.005	0.09	696
2028	0.35	3.25	4.14	0.01	0.09	0.04	0.13	0.08	< 0.005	0.08	698
2029	2.17	2.45	3.27	0.01	0.06	0.03	0.09	0.06	< 0.005	0.06	539

3. Construction Emissions Details

3.1. Demolition (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	1.12	9.09	16.6	0.03	0.31	—	0.31	0.29	—	0.29	2,495
Demolition	—	—	—	—	—	2.32	2.32	—	0.35	0.35	—
Onsite truck	0.01	0.39	0.28	< 0.005	< 0.005	1.53	1.53	< 0.005	0.15	0.15	71.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.05	1.91	< 0.005	0.04	—	0.04	0.03	—	0.03	287
Demolition	—	—	—	—	—	0.27	0.27	—	0.04	0.04	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.17	0.17	< 0.005	0.02	0.02	8.15
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.19	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	47.5
Demolition	—	—	—	—	—	0.05	0.05	—	0.01	0.01	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	1.35
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

3.3. Grading (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	2.24	19.2	32.9	0.05	0.79	—	0.79	0.73	—	0.73	5,812
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.10	2.31	1.69	< 0.005	< 0.005	9.27	9.27	< 0.005	0.93	0.93	437
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.24	19.2	32.9	0.05	0.79	—	0.79	0.73	—	0.73	5,812
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.09	2.42	1.75	< 0.005	< 0.005	9.27	9.27	< 0.005	0.93	0.93	441

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.68	5.78	9.91	0.02	0.24	—	0.24	0.22	—	0.22	1,751
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.03	0.71	0.52	< 0.005	< 0.005	2.66	2.67	< 0.005	0.27	0.27	132
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	1.05	1.81	< 0.005	0.04	—	0.04	0.04	—	0.04	290
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.01	0.13	0.09	< 0.005	< 0.005	0.49	0.49	< 0.005	0.05	0.05	21.9
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

3.5. Mat Foundation (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	2.17	18.3	22.8	0.04	0.64	—	0.64	0.59	—	0.59	3,601
Onsite truck	0.32	7.23	5.39	0.01	< 0.005	3.86	3.87	< 0.005	0.40	0.40	1,184
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	2.16	2.69	< 0.005	0.08	—	0.08	0.07	—	0.07	424
Onsite truck	0.04	0.87	0.64	< 0.005	< 0.005	0.43	0.44	< 0.005	0.04	0.05	140
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.39	0.49	< 0.005	0.01	—	0.01	0.01	—	0.01	70.2
Onsite truck	0.01	0.16	0.12	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	23.2
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)	—	—	—	—	—	—	—	—	—	—	—
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. Foundation (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	1.12	8.98	10.4	0.02	0.30	—	0.30	0.27	—	0.27	1,575
Onsite truck	0.02	0.51	0.40	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	79.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.06	1.23	< 0.005	0.03	—	0.03	0.03	—	0.03	186
Onsite truck	< 0.005	0.06	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	9.28
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.19	0.22	< 0.005	0.01	—	0.01	0.01	—	0.01	30.7

Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	1.54
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

3.9. 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	2.83	26.2	31.5	0.06	0.81	—	0.81	0.75	—	0.75	5,820
Onsite truck	0.02	0.41	0.32	< 0.005	< 0.005	0.31	0.31	< 0.005	0.03	0.03	65.8

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	1.59	1.91	< 0.005	0.05	—	0.05	0.05	—	0.05	353
Onsite truck	< 0.005	0.02	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	3.97
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.29	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	58.5
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.66
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 (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.73	25.4	31.4	0.06	0.74	—	0.74	0.68	—	0.68	5,819
Onsite truck	0.02	0.39	0.30	< 0.005	< 0.005	0.31	0.31	< 0.005	0.03	0.03	64.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.73	25.4	31.4	0.06	0.74	—	0.74	0.68	—	0.68	5,819
Onsite truck	0.02	0.41	0.31	< 0.005	< 0.005	0.31	0.31	< 0.005	0.03	0.03	64.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.95	18.2	22.4	0.04	0.53	—	0.53	0.49	—	0.49	4,157
Onsite truck	0.01	0.28	0.22	< 0.005	< 0.005	0.21	0.21	< 0.005	0.02	0.02	46.1
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	3.32	4.09	0.01	0.10	—	0.10	0.09	—	0.09	688
Onsite truck	< 0.005	0.05	0.04	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	7.63
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

3.13. Building Construction (2028) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.62	24.5	31.3	0.06	0.66	—	0.66	0.61	—	0.61	5,821
Onsite truck	0.02	0.38	0.30	< 0.005	< 0.005	0.31	0.31	< 0.005	0.03	0.03	63.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.62	24.5	31.3	0.06	0.66	—	0.66	0.61	—	0.61	5,821
Onsite truck	0.02	0.40	0.31	< 0.005	< 0.005	0.31	0.31	< 0.005	0.03	0.03	63.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.88	17.5	22.4	0.04	0.47	—	0.47	0.44	—	0.44	4,169
Onsite truck	0.01	0.28	0.22	< 0.005	< 0.005	0.21	0.21	< 0.005	0.02	0.02	45.5
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	3.20	4.10	0.01	0.09	—	0.09	0.08	—	0.08	690

Onsite truck	< 0.005	0.05	0.04	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	7.54
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 (2029) - 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	23.8	31.2	0.06	0.61	—	0.61	0.56	—	0.56	5,820

Onsite truck	0.02	0.37	0.29	< 0.005	< 0.005	0.31	0.31	< 0.005	0.03	0.03	62.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.54	23.8	31.2	0.06	0.61	—	0.61	0.56	—	0.56	5,820
Onsite truck	0.02	0.39	0.31	< 0.005	< 0.005	0.31	0.31	< 0.005	0.03	0.03	62.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.21	11.3	14.8	0.03	0.29	—	0.29	0.27	—	0.27	2,768
Onsite truck	0.01	0.18	0.14	< 0.005	< 0.005	0.14	0.14	< 0.005	0.01	0.01	29.6
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	2.06	2.70	0.01	0.05	—	0.05	0.05	—	0.05	458
Onsite truck	< 0.005	0.03	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	4.90
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. Paving (2029) - 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	0.85	8.19	12.4	0.02	0.23	—	0.23	0.21	—	0.21	1,899
Paving	0.24	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.05	0.04	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	7.75
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	1.95	2.95	< 0.005	0.05	—	0.05	0.05	—	0.05	453
Paving	0.06	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	1.86
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.36	0.54	< 0.005	0.01	—	0.01	0.01	—	0.01	75.0
Paving	0.01	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.31
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)	—	—	—	—	—	—	—	—	—	—	—
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. Architectural Coating (2029) - 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	21.7	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	21.7	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	10.4	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.90	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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

4.10. 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	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

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	1/1/2026	2/28/2026	5.00	42.0	—
Grading	Grading	3/1/2026	7/31/2026	5.00	110	—
Mat Foundation	Building Construction	8/1/2026	9/30/2026	5.00	43.0	—
Foundation	Building Construction	10/1/2026	11/30/2026	5.00	43.0	—
Building Construction	Building Construction	12/1/2026	8/31/2029	5.00	719	—
Paving	Paving	5/3/2029	8/31/2029	5.00	87.0	—
Architectural Coating	Architectural Coating	1/1/2029	8/31/2029	5.00	175	—

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	2.00	8.00	37.0	0.48
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Demolition	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Demolition	Excavators	Diesel	Average	1.00	8.00	158	0.38
Grading	Bore/Drill Rigs	Diesel	Average	1.00	8.00	83.0	0.50
Grading	Cranes	Diesel	Average	1.00	8.00	367	0.29
Grading	Excavators	Diesel	Average	3.00	8.00	158	0.38

Grading	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Grading	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Grading	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Grading	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50
Grading	Pumps	Diesel	Average	2.00	8.00	11.0	0.74
Grading	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Mat Foundation	Pumps	Diesel	Average	4.00	12.0	11.0	0.74
Mat Foundation	Plate Compactors	Diesel	Average	1.00	12.0	8.00	0.43
Mat Foundation	Rough Terrain Forklifts	Diesel	Average	1.00	12.0	96.0	0.40
Mat Foundation	Skid Steer Loaders	Diesel	Average	1.00	12.0	71.0	0.37
Mat Foundation	Tractors/Loaders/Backhoes	Diesel	Average	2.00	12.0	84.0	0.37
Mat Foundation	Trenchers	Diesel	Average	2.00	12.0	40.0	0.50
Mat Foundation	Welders	Diesel	Average	1.00	12.0	46.0	0.45
Mat Foundation	Cement and Mortar Mixers	Diesel	Average	4.00	12.0	10.0	0.56
Foundation	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Foundation	Pumps	Diesel	Average	2.00	8.00	11.0	0.74
Foundation	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Foundation	Rough Terrain Forklifts	Diesel	Average	1.00	8.00	96.0	0.40
Foundation	Trenchers	Diesel	Average	2.00	8.00	40.0	0.50
Foundation	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Foundation	Cement and Mortar Mixers	Diesel	Average	2.00	8.00	10.0	0.56
Foundation	Cranes	Electric	Average	1.00	8.00	367	0.29
Building Construction	Aerial Lifts	Diesel	Average	4.00	8.00	46.0	0.31

Building Construction	Air Compressors	Diesel	Average	4.00	8.00	37.0	0.48
Building Construction	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Building Construction	Cranes	Electric	Average	3.00	8.00	367	0.29
Building Construction	Cranes	Diesel	Average	2.00	8.00	367	0.29
Building Construction	Pumps	Diesel	Average	4.00	8.00	11.0	0.74
Building Construction	Rough Terrain Forklifts	Diesel	Average	3.00	8.00	96.0	0.40
Building Construction	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Paving	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Paving	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Paving	Rough Terrain Forklifts	Diesel	Average	1.00	8.00	96.0	0.40
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

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	30.0	HHDT
Demolition	Onsite truck	25.0	0.30	HHDT
Grading	—	—	—	—
Grading	Worker	0.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	0.00	10.2	HHDT,MHDT
Grading	Hauling	0.00	30.0	HHDT
Grading	Onsite truck	155	0.30	HHDT
Mat Foundation	—	—	—	—
Mat Foundation	Worker	0.00	18.5	LDA,LDT1,LDT2
Mat Foundation	Vendor	0.00	12.0	HHDT
Mat Foundation	Hauling	0.00	20.0	HHDT
Mat Foundation	Onsite truck	500	0.17	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	5.00	0.17	HHDT,MHDT
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	0.00	0.00	HHDT
Foundation	—	—	—	—
Foundation	Worker	0.00	18.5	LDA,LDT1,LDT2
Foundation	Vendor	0.00	10.2	HHDT,MHDT
Foundation	Hauling	0.00	20.0	HHDT

Foundation	Onsite truck	50.0	0.15	HHDT,MHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	0.00	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	40.0	0.17	HHDT,MHDT

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	693,852	231,284	253,585	81,023	23,585

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	161,833	—
Grading	0.00	210,000	0.00	0.00	—
Paving	0.00	0.00	0.00	0.00	9.02

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
Apartments Mid Rise	—	0%
General Office Building	0.00	0%
High Turnover (Sit Down Restaurant)	0.00	0%
Enclosed Parking with Elevator	8.05	100%
Other Non-Asphalt Surfaces	0.98	0%
Strip Mall	0.00	0%
Recreational Swimming Pool	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
2026	2,540	440	0.05	0.01
2027	1,905	418	0.05	0.01
2028	1,905	397	0.05	0.01
2029	1,905	375	0.05	0.01

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

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

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	7.38	annual days of extreme heat
Extreme Precipitation	6.85	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 (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	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	62.5
AQ-PM	77.2
AQ-DPM	99.3
Drinking Water	92.5
Lead Risk Housing	51.3
Pesticides	0.00
Toxic Releases	71.3
Traffic	83.5
Effect Indicators	—
CleanUp Sites	40.9
Groundwater	69.0
Haz Waste Facilities/Generators	72.0
Impaired Water Bodies	0.00

Solid Waste	0.00
Sensitive Population	—
Asthma	60.4
Cardio-vascular	46.6
Low Birth Weights	76.4
Socioeconomic Factor Indicators	—
Education	43.1
Housing	73.7
Linguistic	50.5
Poverty	54.0
Unemployment	44.4

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	25.07378417
Employed	76.27357885
Median HI	22.22507378
Education	—
Bachelor's or higher	76.90234826
High school enrollment	100
Preschool enrollment	56.34543821
Transportation	—
Auto Access	6.403182343
Active commuting	93.4813294
Social	—

2-parent households	5.787244963
Voting	12.72937251
Neighborhood	—
Alcohol availability	10.59925574
Park access	19.96663673
Retail density	98.26767612
Supermarket access	94.25125112
Tree canopy	16.82278968
Housing	—
Homeownership	8.122674195
Housing habitability	22.41755422
Low-inc homeowner severe housing cost burden	34.83895804
Low-inc renter severe housing cost burden	38.72706275
Uncrowded housing	27.38354934
Health Outcomes	—
Insured adults	27.96099063
Arthritis	70.7
Asthma ER Admissions	17.5
High Blood Pressure	44.4
Cancer (excluding skin)	66.1
Asthma	37.3
Coronary Heart Disease	40.3
Chronic Obstructive Pulmonary Disease	31.1
Diagnosed Diabetes	45.6
Life Expectancy at Birth	35.9
Cognitively Disabled	52.2
Physically Disabled	63.7

Heart Attack ER Admissions	14.1
Mental Health Not Good	30.2
Chronic Kidney Disease	55.3
Obesity	27.3
Pedestrian Injuries	96.0
Physical Health Not Good	30.9
Stroke	34.3
Health Risk Behaviors	—
Binge Drinking	35.4
Current Smoker	24.8
No Leisure Time for Physical Activity	43.3
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	39.2
Elderly	87.4
English Speaking	19.2
Foreign-born	76.9
Outdoor Workers	28.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	2.9
Traffic Density	95.4
Traffic Access	87.4
Other Indices	—
Hardship	52.1
Other Decision Support	—
2016 Voting	11.6

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	77.0
Healthy Places Index Score for Project Location (b)	35.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
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
Land Use	Site Specific
Construction: Construction Phases	Site Specific - see construction assumptions
Construction: Off-Road Equipment	Site Specific - see construction assumptions
Construction: Trips and VMT	Site Specific - see construction assumptions
Construction: On-Road Fugitive Dust	15 MPH onsite vehicle speed
Construction: Electricity	Carbon Intensity for construction years

6000 Hollywood - Construction Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	6000 Hollywood - Construction
Construction Start Date	1/1/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	16.8
Location	6000 Hollywood Blvd, Los Angeles, CA 90028, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4352
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.20

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
Apartments Mid Rise	350	Dwelling Unit	3.73	342,643	55,523	—	828	—

General Office Building	136	1000sqft	0.00	136,000	0.00	—	—	—
High Turnover (Sit Down Restaurant)	4.04	1000sqft	0.00	4,038	0.00	—	—	—
Enclosed Parking with Elevator	894	Space	8.05	357,600	0.00	—	—	—
Other Non-Asphalt Surfaces	42.6	1000sqft	0.98	0.00	0.00	—	—	—
Strip Mall	18.5	1000sqft	0.00	18,504	0.00	—	—	—
Recreational Swimming Pool	0.77	1000sqft	0.02	765	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

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.	27.4	80.5	76.8	0.34	1.19	18.7	19.9	1.13	3.67	4.79	49,435
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	26.1	58.4	63.5	0.27	1.19	18.7	19.9	1.13	3.47	4.60	39,412
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	12.8	32.9	44.6	0.14	0.63	8.67	9.30	0.59	1.73	2.33	20,300
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.34	6.00	8.13	0.02	0.12	1.58	1.70	0.11	0.32	0.42	3,361

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)	—	—	—	—	—	—	—	—	—	—	—
2026	3.67	80.5	56.6	0.34	1.19	18.7	19.9	1.13	3.67	4.79	49,435
2027	4.78	30.4	66.0	0.08	0.76	8.18	8.94	0.70	1.91	2.60	15,860
2028	4.58	29.2	63.9	0.08	0.68	8.18	8.86	0.63	1.91	2.53	15,662
2029	27.4	36.9	76.8	0.10	0.86	8.96	9.82	0.79	2.09	2.88	18,333
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
2026	4.94	58.4	63.5	0.27	1.19	18.7	19.9	1.13	3.47	4.60	39,412
2027	4.73	31.0	61.0	0.08	0.76	8.18	8.94	0.70	1.91	2.60	15,448
2028	4.56	29.6	59.2	0.08	0.68	8.18	8.86	0.63	1.91	2.53	15,267
2029	26.1	28.6	57.2	0.08	0.63	8.18	8.81	0.58	1.91	2.48	15,086
Average Daily	—	—	—	—	—	—	—	—	—	—	—
2026	1.96	32.9	30.6	0.14	0.63	8.67	9.30	0.59	1.73	2.33	20,300
2027	3.38	22.1	44.6	0.06	0.54	5.77	6.31	0.50	1.35	1.84	11,115
2028	3.26	21.2	43.3	0.06	0.49	5.79	6.28	0.45	1.35	1.80	11,014
2029	12.8	15.7	31.3	0.04	0.35	4.03	4.38	0.33	0.94	1.26	7,902
Annual	—	—	—	—	—	—	—	—	—	—	—
2026	0.36	6.00	5.58	0.02	0.12	1.58	1.70	0.11	0.32	0.42	3,361
2027	0.62	4.04	8.13	0.01	0.10	1.05	1.15	0.09	0.25	0.34	1,840
2028	0.60	3.87	7.90	0.01	0.09	1.06	1.15	0.08	0.25	0.33	1,823
2029	2.34	2.86	5.72	0.01	0.06	0.74	0.80	0.06	0.17	0.23	1,308

3. Construction Emissions Details

3.1. Demolition (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	1.12	9.09	16.6	0.03	0.31	—	0.31	0.29	—	0.29	2,495
Demolition	—	—	—	—	—	2.32	2.32	—	0.35	0.35	—
Onsite truck	0.01	0.39	0.28	< 0.005	< 0.005	1.53	1.53	< 0.005	0.15	0.15	71.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.05	1.91	< 0.005	0.04	—	0.04	0.03	—	0.03	287
Demolition	—	—	—	—	—	0.27	0.27	—	0.04	0.04	—
Onsite truck	< 0.005	0.04	0.03	< 0.005	< 0.005	0.17	0.17	< 0.005	0.02	0.02	8.15
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.19	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	47.5
Demolition	—	—	—	—	—	0.05	0.05	—	0.01	0.01	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	1.35
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.11	1.38	0.00	0.00	0.33	0.33	0.00	0.08	0.08	325
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.06	6.02	2.17	0.03	0.07	1.39	1.46	0.07	0.38	0.45	5,309
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.17	0.00	0.00	0.04	0.04	0.00	0.01	0.01	38.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.70	0.25	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	611
Annual	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	6.29
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.13	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	101

3.3. Grading (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	2.24	19.2	32.9	0.05	0.79	—	0.79	0.73	—	0.73	5,812
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.10	2.31	1.69	< 0.005	< 0.005	9.27	9.27	< 0.005	0.93	0.93	437
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.24	19.2	32.9	0.05	0.79	—	0.79	0.73	—	0.73	5,812
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.09	2.42	1.75	< 0.005	< 0.005	9.27	9.27	< 0.005	0.93	0.93	441

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.68	5.78	9.91	0.02	0.24	—	0.24	0.22	—	0.22	1,751
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.03	0.71	0.52	< 0.005	< 0.005	2.66	2.67	< 0.005	0.27	0.27	132
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	1.05	1.81	< 0.005	0.04	—	0.04	0.04	—	0.04	290
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—
Onsite truck	0.01	0.13	0.09	< 0.005	< 0.005	0.49	0.49	< 0.005	0.05	0.05	21.9
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.29	4.84	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,031
Vendor	0.01	0.34	0.17	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	326
Hauling	0.39	34.7	12.9	0.21	0.40	8.34	8.74	0.40	2.28	2.68	31,912
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.33	4.13	0.00	0.00	0.98	0.98	0.00	0.23	0.23	975
Vendor	0.01	0.36	0.17	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	326
Hauling	0.37	36.1	13.0	0.21	0.40	8.34	8.74	0.40	2.28	2.68	31,854
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.11	1.30	0.00	0.00	0.29	0.29	0.00	0.07	0.07	299
Vendor	< 0.005	0.11	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	98.2
Hauling	0.12	11.0	3.90	0.06	0.12	2.49	2.61	0.12	0.68	0.80	9,607
Annual	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02	0.02	0.24	0.00	0.00	0.05	0.05	0.00	0.01	0.01	49.4
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	16.3
Hauling	0.02	2.01	0.71	0.01	0.02	0.46	0.48	0.02	0.12	0.15	1,590

3.5. Mat Foundation (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	2.17	18.3	22.8	0.04	0.64	—	0.64	0.59	—	0.59	3,601
Onsite truck	0.32	7.23	5.39	0.01	< 0.005	3.86	3.87	< 0.005	0.40	0.40	1,184
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	2.16	2.69	< 0.005	0.08	—	0.08	0.07	—	0.07	424
Onsite truck	0.04	0.87	0.64	< 0.005	< 0.005	0.43	0.44	< 0.005	0.04	0.05	140
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.39	0.49	< 0.005	0.01	—	0.01	0.01	—	0.01	70.2
Onsite truck	0.01	0.16	0.12	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	23.2
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.29	4.84	0.00	0.00	0.98	0.98	0.00	0.23	0.23	1,031
Vendor	0.90	54.6	23.6	0.29	0.53	11.1	11.7	0.53	3.05	3.57	43,614
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)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.51	0.00	0.00	0.11	0.11	0.00	0.03	0.03	117
Vendor	0.10	6.75	2.79	0.03	0.06	1.30	1.36	0.06	0.36	0.42	5,133
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	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	19.3
Vendor	0.02	1.23	0.51	0.01	0.01	0.24	0.25	0.01	0.06	0.08	850
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. Foundation (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	1.12	8.98	10.4	0.02	0.30	—	0.30	0.27	—	0.27	1,575
Onsite truck	0.02	0.51	0.40	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	79.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.06	1.23	< 0.005	0.03	—	0.03	0.03	—	0.03	186
Onsite truck	< 0.005	0.06	0.05	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	9.28
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.19	0.22	< 0.005	0.01	—	0.01	0.01	—	0.01	30.7

Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	1.54
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.33	4.13	0.00	0.00	0.98	0.98	0.00	0.23	0.23	975
Vendor	0.09	3.59	1.70	0.02	0.04	0.86	0.90	0.02	0.24	0.26	3,255
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	0.03	0.04	0.51	0.00	0.00	0.11	0.11	0.00	0.03	0.03	117
Vendor	0.01	0.43	0.20	< 0.005	0.01	0.10	0.11	< 0.005	0.03	0.03	384
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	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	19.3
Vendor	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	63.5
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 (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	2.83	26.2	31.5	0.06	0.81	—	0.81	0.75	—	0.75	5,820
Onsite truck	0.02	0.41	0.32	< 0.005	< 0.005	0.31	0.31	< 0.005	0.03	0.03	65.8

Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	1.59	1.91	< 0.005	0.05	—	0.05	0.05	—	0.05	353
Onsite truck	< 0.005	0.02	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	3.97
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.29	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	58.5
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.66
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	2.01	2.39	30.3	0.00	0.00	7.19	7.19	0.00	1.69	1.69	7,151
Vendor	0.07	2.88	1.36	0.02	0.04	0.68	0.72	0.02	0.19	0.21	2,604
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	0.16	1.92	0.00	0.00	0.43	0.43	0.00	0.10	0.10	441
Vendor	< 0.005	0.18	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	158
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	0.35	0.00	0.00	0.08	0.08	0.00	0.02	0.02	73.0
Vendor	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	26.2
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 (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.73	25.4	31.4	0.06	0.74	—	0.74	0.68	—	0.68	5,819
Onsite truck	0.02	0.39	0.30	< 0.005	< 0.005	0.31	0.31	< 0.005	0.03	0.03	64.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.73	25.4	31.4	0.06	0.74	—	0.74	0.68	—	0.68	5,819
Onsite truck	0.02	0.41	0.31	< 0.005	< 0.005	0.31	0.31	< 0.005	0.03	0.03	64.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.95	18.2	22.4	0.04	0.53	—	0.53	0.49	—	0.49	4,157
Onsite truck	0.01	0.28	0.22	< 0.005	< 0.005	0.21	0.21	< 0.005	0.02	0.02	46.1
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	3.32	4.09	0.01	0.10	—	0.10	0.09	—	0.09	688
Onsite truck	< 0.005	0.05	0.04	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	7.63
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	1.95	1.90	33.0	0.00	0.00	7.19	7.19	0.00	1.69	1.69	7,417
Vendor	0.07	2.63	1.25	0.02	0.02	0.68	0.70	0.02	0.19	0.21	2,556
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	1.92	2.37	28.0	0.00	0.00	7.19	7.19	0.00	1.69	1.69	7,010
Vendor	0.07	2.74	1.28	0.02	0.02	0.68	0.70	0.02	0.19	0.21	2,551
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	1.37	1.69	21.0	0.00	0.00	5.08	5.08	0.00	1.19	1.19	5,087
Vendor	0.05	1.97	0.91	0.01	0.01	0.48	0.50	0.01	0.13	0.15	1,823
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	0.25	0.31	3.83	0.00	0.00	0.93	0.93	0.00	0.22	0.22	842
Vendor	0.01	0.36	0.17	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	302
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 (2028) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.62	24.5	31.3	0.06	0.66	—	0.66	0.61	—	0.61	5,821
Onsite truck	0.02	0.38	0.30	< 0.005	< 0.005	0.31	0.31	< 0.005	0.03	0.03	63.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.62	24.5	31.3	0.06	0.66	—	0.66	0.61	—	0.61	5,821
Onsite truck	0.02	0.40	0.31	< 0.005	< 0.005	0.31	0.31	< 0.005	0.03	0.03	63.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.88	17.5	22.4	0.04	0.47	—	0.47	0.44	—	0.44	4,169
Onsite truck	0.01	0.28	0.22	< 0.005	< 0.005	0.21	0.21	< 0.005	0.02	0.02	45.5
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	3.20	4.10	0.01	0.09	—	0.09	0.08	—	0.08	690

Onsite truck	< 0.005	0.05	0.04	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	7.54
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	1.88	1.87	31.0	0.00	0.00	7.19	7.19	0.00	1.69	1.69	7,278
Vendor	0.06	2.51	1.21	0.02	0.02	0.68	0.70	0.02	0.19	0.21	2,497
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	1.87	2.13	26.4	0.00	0.00	7.19	7.19	0.00	1.69	1.69	6,886
Vendor	0.05	2.62	1.22	0.02	0.02	0.68	0.70	0.02	0.19	0.21	2,493
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	1.33	1.52	19.8	0.00	0.00	5.09	5.09	0.00	1.19	1.19	5,010
Vendor	0.04	1.89	0.87	0.01	0.01	0.49	0.50	0.01	0.13	0.15	1,787
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	0.24	0.28	3.61	0.00	0.00	0.93	0.93	0.00	0.22	0.22	829
Vendor	0.01	0.34	0.16	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	296
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 (2029) - 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	23.8	31.2	0.06	0.61	—	0.61	0.56	—	0.56	5,820

Onsite truck	0.02	0.37	0.29	< 0.005	< 0.005	0.31	0.31	< 0.005	0.03	0.03	62.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.54	23.8	31.2	0.06	0.61	—	0.61	0.56	—	0.56	5,820
Onsite truck	0.02	0.39	0.31	< 0.005	< 0.005	0.31	0.31	< 0.005	0.03	0.03	62.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.21	11.3	14.8	0.03	0.29	—	0.29	0.27	—	0.27	2,768
Onsite truck	0.01	0.18	0.14	< 0.005	< 0.005	0.14	0.14	< 0.005	0.01	0.01	29.6
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	2.06	2.70	0.01	0.05	—	0.05	0.05	—	0.05	458
Onsite truck	< 0.005	0.03	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	4.90
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Worker	1.81	1.64	29.0	0.00	0.00	7.19	7.19	0.00	1.69	1.69	7,154
Vendor	0.06	2.39	1.15	0.02	0.02	0.68	0.70	0.02	0.19	0.21	2,434
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	1.78	1.89	24.6	0.00	0.00	7.19	7.19	0.00	1.69	1.69	6,771
Vendor	0.05	2.50	1.18	0.02	0.02	0.68	0.70	0.02	0.19	0.21	2,430
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	0.84	0.90	12.3	0.00	0.00	3.38	3.38	0.00	0.79	0.79	3,270
Vendor	0.03	1.20	0.55	0.01	0.01	0.32	0.33	0.01	0.09	0.10	1,156
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	0.15	0.16	2.24	0.00	0.00	0.62	0.62	0.00	0.14	0.14	541
Vendor	< 0.005	0.22	0.10	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	191
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. Paving (2029) - 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	0.85	8.19	12.4	0.02	0.23	—	0.23	0.21	—	0.21	1,899
Paving	0.24	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.05	0.04	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	7.75
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	1.95	2.95	< 0.005	0.05	—	0.05	0.05	—	0.05	453
Paving	0.06	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	1.86
Annual	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.36	0.54	< 0.005	0.01	—	0.01	0.01	—	0.01	75.0
Paving	0.01	—	—	—	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.31
Offsite	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—

Worker	0.16	0.15	2.64	0.00	0.00	0.65	0.65	0.00	0.15	0.15	650
Vendor	0.01	0.30	0.14	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	304
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)	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.56	0.00	0.00	0.15	0.15	0.00	0.04	0.04	149
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	72.4
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	0.10	0.00	0.00	0.03	0.03	0.00	0.01	0.01	24.7
Vendor	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	12.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Architectural Coating (2029) - 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	21.7	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	21.7	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	10.4	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.90	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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

4.10. 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	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

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	1/1/2026	2/28/2026	5.00	42.0	—
Grading	Grading	3/1/2026	7/31/2026	5.00	110	—
Mat Foundation	Building Construction	8/1/2026	9/30/2026	5.00	43.0	—
Foundation	Building Construction	10/1/2026	11/30/2026	5.00	43.0	—
Building Construction	Building Construction	12/1/2026	8/31/2029	5.00	719	—
Paving	Paving	5/3/2029	8/31/2029	5.00	87.0	—
Architectural Coating	Architectural Coating	1/1/2029	8/31/2029	5.00	175	—

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	2.00	8.00	37.0	0.48
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Demolition	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Demolition	Excavators	Diesel	Average	1.00	8.00	158	0.38
Grading	Bore/Drill Rigs	Diesel	Average	1.00	8.00	83.0	0.50
Grading	Cranes	Diesel	Average	1.00	8.00	367	0.29
Grading	Excavators	Diesel	Average	3.00	8.00	158	0.38

Grading	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Grading	Rubber Tired Loaders	Diesel	Average	1.00	8.00	150	0.36
Grading	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Grading	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50
Grading	Pumps	Diesel	Average	2.00	8.00	11.0	0.74
Grading	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Mat Foundation	Pumps	Diesel	Average	4.00	12.0	11.0	0.74
Mat Foundation	Plate Compactors	Diesel	Average	1.00	12.0	8.00	0.43
Mat Foundation	Rough Terrain Forklifts	Diesel	Average	1.00	12.0	96.0	0.40
Mat Foundation	Skid Steer Loaders	Diesel	Average	1.00	12.0	71.0	0.37
Mat Foundation	Tractors/Loaders/Backhoes	Diesel	Average	2.00	12.0	84.0	0.37
Mat Foundation	Trenchers	Diesel	Average	2.00	12.0	40.0	0.50
Mat Foundation	Welders	Diesel	Average	1.00	12.0	46.0	0.45
Mat Foundation	Cement and Mortar Mixers	Diesel	Average	4.00	12.0	10.0	0.56
Foundation	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Foundation	Pumps	Diesel	Average	2.00	8.00	11.0	0.74
Foundation	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Foundation	Rough Terrain Forklifts	Diesel	Average	1.00	8.00	96.0	0.40
Foundation	Trenchers	Diesel	Average	2.00	8.00	40.0	0.50
Foundation	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Foundation	Cement and Mortar Mixers	Diesel	Average	2.00	8.00	10.0	0.56
Foundation	Cranes	Electric	Average	1.00	8.00	367	0.29
Building Construction	Aerial Lifts	Diesel	Average	4.00	8.00	46.0	0.31

Building Construction	Air Compressors	Diesel	Average	4.00	8.00	37.0	0.48
Building Construction	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Building Construction	Cranes	Electric	Average	3.00	8.00	367	0.29
Building Construction	Cranes	Diesel	Average	2.00	8.00	367	0.29
Building Construction	Pumps	Diesel	Average	4.00	8.00	11.0	0.74
Building Construction	Rough Terrain Forklifts	Diesel	Average	3.00	8.00	96.0	0.40
Building Construction	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Paving	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Paving	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Paving	Rough Terrain Forklifts	Diesel	Average	1.00	8.00	96.0	0.40
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

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	25.0	18.5	LDA,LDT1,LDT2

Demolition	Vendor	0.00	10.2	HHDT,MHDT
Demolition	Hauling	50.0	30.0	HHDT
Demolition	Onsite truck	25.0	0.30	HHDT
Grading	—	—	—	—
Grading	Worker	75.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	10.0	10.2	HHDT,MHDT
Grading	Hauling	300	30.0	HHDT
Grading	Onsite truck	155	0.30	HHDT
Mat Foundation	—	—	—	—
Mat Foundation	Worker	75.0	18.5	LDA,LDT1,LDT2
Mat Foundation	Vendor	1,000	12.0	HHDT
Mat Foundation	Hauling	0.00	20.0	HHDT
Mat Foundation	Onsite truck	500	0.17	HHDT
Paving	—	—	—	—
Paving	Worker	50.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	10.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	5.00	0.17	HHDT,MHDT
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	0.00	0.00	HHDT
Foundation	—	—	—	—
Foundation	Worker	75.0	18.5	LDA,LDT1,LDT2
Foundation	Vendor	100	10.2	HHDT,MHDT
Foundation	Hauling	0.00	20.0	HHDT

Foundation	Onsite truck	50.0	0.15	HHDT,MHDT
Building Construction	—	—	—	—
Building Construction	Worker	550	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	80.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	40.0	0.17	HHDT,MHDT

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	693,852	231,284	253,585	81,023	23,585

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	161,833	—
Grading	0.00	210,000	0.00	0.00	—
Paving	0.00	0.00	0.00	0.00	9.02

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
Apartments Mid Rise	—	0%
General Office Building	0.00	0%
High Turnover (Sit Down Restaurant)	0.00	0%
Enclosed Parking with Elevator	8.05	100%
Other Non-Asphalt Surfaces	0.98	0%
Strip Mall	0.00	0%
Recreational Swimming Pool	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
2026	2,540	440	0.05	0.01
2027	1,905	418	0.05	0.01
2028	1,905	397	0.05	0.01
2029	1,905	375	0.05	0.01

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

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

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	7.38	annual days of extreme heat
Extreme Precipitation	6.85	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 (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	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	62.5
AQ-PM	77.2
AQ-DPM	99.3
Drinking Water	92.5
Lead Risk Housing	51.3
Pesticides	0.00
Toxic Releases	71.3
Traffic	83.5
Effect Indicators	—
CleanUp Sites	40.9
Groundwater	69.0
Haz Waste Facilities/Generators	72.0
Impaired Water Bodies	0.00

Solid Waste	0.00
Sensitive Population	—
Asthma	60.4
Cardio-vascular	46.6
Low Birth Weights	76.4
Socioeconomic Factor Indicators	—
Education	43.1
Housing	73.7
Linguistic	50.5
Poverty	54.0
Unemployment	44.4

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	25.07378417
Employed	76.27357885
Median HI	22.22507378
Education	—
Bachelor's or higher	76.90234826
High school enrollment	100
Preschool enrollment	56.34543821
Transportation	—
Auto Access	6.403182343
Active commuting	93.4813294
Social	—

2-parent households	5.787244963
Voting	12.72937251
Neighborhood	—
Alcohol availability	10.59925574
Park access	19.96663673
Retail density	98.26767612
Supermarket access	94.25125112
Tree canopy	16.82278968
Housing	—
Homeownership	8.122674195
Housing habitability	22.41755422
Low-inc homeowner severe housing cost burden	34.83895804
Low-inc renter severe housing cost burden	38.72706275
Uncrowded housing	27.38354934
Health Outcomes	—
Insured adults	27.96099063
Arthritis	70.7
Asthma ER Admissions	17.5
High Blood Pressure	44.4
Cancer (excluding skin)	66.1
Asthma	37.3
Coronary Heart Disease	40.3
Chronic Obstructive Pulmonary Disease	31.1
Diagnosed Diabetes	45.6
Life Expectancy at Birth	35.9
Cognitively Disabled	52.2
Physically Disabled	63.7

Heart Attack ER Admissions	14.1
Mental Health Not Good	30.2
Chronic Kidney Disease	55.3
Obesity	27.3
Pedestrian Injuries	96.0
Physical Health Not Good	30.9
Stroke	34.3
Health Risk Behaviors	—
Binge Drinking	35.4
Current Smoker	24.8
No Leisure Time for Physical Activity	43.3
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	39.2
Elderly	87.4
English Speaking	19.2
Foreign-born	76.9
Outdoor Workers	28.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	2.9
Traffic Density	95.4
Traffic Access	87.4
Other Indices	—
Hardship	52.1
Other Decision Support	—
2016 Voting	11.6

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	77.0
Healthy Places Index Score for Project Location (b)	35.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
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
Land Use	Site Specific
Construction: Construction Phases	Site Specific - see construction assumptions
Construction: Off-Road Equipment	Site Specific - see construction assumptions
Construction: Trips and VMT	Site Specific - see construction assumptions
Construction: On-Road Fugitive Dust	15 MPH onsite vehicle speed and percentage of paved onsite travel - see construction assumptions onsite truck trips
Construction: Electricity	Carbon Intensity for construction years

6000 Hollywood - Operations Custom Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	6000 Hollywood - Operations
Operational Year	2029
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	16.8
Location	6000 Hollywood Blvd, Los Angeles, CA 90028, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4352
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.22

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
Apartments Mid Rise	350	Dwelling Unit	3.73	342,643	55,523	—	828	—

General Office Building	136	1000sqft	0.00	136,000	0.00	—	—	—
High Turnover (Sit Down Restaurant)	4.04	1000sqft	0.00	4,038	0.00	—	—	—
Enclosed Parking with Elevator	894	Space	8.05	357,600	0.00	—	—	—
Other Non-Asphalt Surfaces	42.6	1000sqft	0.98	0.00	0.00	—	—	—
Strip Mall	18.5	1000sqft	0.00	18,504	0.00	—	—	—
Recreational Swimming Pool	0.77	1000sqft	0.02	765	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
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.	26.7	8.48	107	0.16	0.15	14.6	14.7	0.14	3.70	3.83	24,809
Mit.	26.7	8.48	107	0.16	0.15	14.6	14.7	0.14	3.70	3.83	24,102
% Reduced	—	—	—	—	—	—	—	—	—	—	3%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Unmit.	21.2	8.59	61.0	0.15	0.10	14.6	14.7	0.10	3.70	3.79	24,005
Mit.	21.2	8.59	61.0	0.15	0.10	14.6	14.7	0.10	3.70	3.79	23,298
% Reduced	—	—	—	—	—	—	—	—	—	—	3%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	24.4	7.64	90.2	0.15	0.13	14.4	14.5	0.12	3.66	3.78	24,062
Mit.	24.4	7.64	90.2	0.15	0.13	14.4	14.5	0.12	3.66	3.78	23,355
% Reduced	—	—	—	—	—	—	—	—	—	—	3%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.45	1.40	16.5	0.03	0.02	2.63	2.65	0.02	0.67	0.69	3,984
Mit.	4.45	1.40	16.5	0.03	0.02	2.63	2.65	0.02	0.67	0.69	3,867
% Reduced	—	—	—	—	—	—	—	—	—	—	3%

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	8.48	5.28	62.4	0.15	0.09	14.6	14.6	0.08	3.70	3.78	15,680
Area	17.2	0.38	42.4	< 0.005	0.05	—	0.05	0.04	—	0.04	146
Energy	< 0.005	0.08	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	7,089
Water	—	—	—	—	—	—	—	—	—	—	614
Waste	—	—	—	—	—	—	—	—	—	—	764
Refrig.	—	—	—	—	—	—	—	—	—	—	9.22
Stationary	0.98	2.75	2.51	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	505
Total	26.7	8.48	107	0.16	0.15	14.6	14.7	0.14	3.70	3.83	24,809
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Mobile	8.39	5.77	58.4	0.14	0.09	14.6	14.6	0.08	3.70	3.78	15,023
Area	11.8	—	—	—	—	—	—	—	—	—	—
Energy	< 0.005	0.08	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	7,089
Water	—	—	—	—	—	—	—	—	—	—	614
Waste	—	—	—	—	—	—	—	—	—	—	764
Refrig.	—	—	—	—	—	—	—	—	—	—	9.22
Stationary	0.98	2.75	2.51	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	505
Total	21.2	8.59	61.0	0.15	0.10	14.6	14.7	0.10	3.70	3.79	24,005
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.32	5.80	59.7	0.15	0.09	14.4	14.5	0.08	3.66	3.74	15,208
Area	15.5	0.26	29.0	< 0.005	0.03	—	0.03	0.03	—	0.03	99.9
Energy	< 0.005	0.08	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	7,089
Water	—	—	—	—	—	—	—	—	—	—	614
Waste	—	—	—	—	—	—	—	—	—	—	764
Refrig.	—	—	—	—	—	—	—	—	—	—	9.22
Stationary	0.54	1.51	1.38	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	277
Total	24.4	7.64	90.2	0.15	0.13	14.4	14.5	0.12	3.66	3.78	24,062
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.52	1.06	10.9	0.03	0.02	2.63	2.64	0.02	0.67	0.68	2,518
Area	2.83	0.05	5.29	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	16.5
Energy	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	1,174
Water	—	—	—	—	—	—	—	—	—	—	102
Waste	—	—	—	—	—	—	—	—	—	—	126
Refrig.	—	—	—	—	—	—	—	—	—	—	1.53
Stationary	0.10	0.28	0.25	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	45.8
Total	4.45	1.40	16.5	0.03	0.02	2.63	2.65	0.02	0.67	0.69	3,984

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	8.48	5.28	62.4	0.15	0.09	14.6	14.6	0.08	3.70	3.78	15,680
Area	17.2	0.38	42.4	< 0.005	0.05	—	0.05	0.04	—	0.04	146
Energy	< 0.005	0.08	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	7,089
Water	—	—	—	—	—	—	—	—	—	—	491
Waste	—	—	—	—	—	—	—	—	—	—	180
Refrig.	—	—	—	—	—	—	—	—	—	—	9.22
Stationary	0.98	2.75	2.51	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	505
Total	26.7	8.48	107	0.16	0.15	14.6	14.7	0.14	3.70	3.83	24,102
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.39	5.77	58.4	0.14	0.09	14.6	14.6	0.08	3.70	3.78	15,023
Area	11.8	—	—	—	—	—	—	—	—	—	—
Energy	< 0.005	0.08	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	7,089
Water	—	—	—	—	—	—	—	—	—	—	491
Waste	—	—	—	—	—	—	—	—	—	—	180
Refrig.	—	—	—	—	—	—	—	—	—	—	9.22
Stationary	0.98	2.75	2.51	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	505
Total	21.2	8.59	61.0	0.15	0.10	14.6	14.7	0.10	3.70	3.79	23,298
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.32	5.80	59.7	0.15	0.09	14.4	14.5	0.08	3.66	3.74	15,208
Area	15.5	0.26	29.0	< 0.005	0.03	—	0.03	0.03	—	0.03	99.9
Energy	< 0.005	0.08	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	7,089
Water	—	—	—	—	—	—	—	—	—	—	491

Waste	—	—	—	—	—	—	—	—	—	—	180
Refrig.	—	—	—	—	—	—	—	—	—	—	9.22
Stationary	0.54	1.51	1.38	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	277
Total	24.4	7.64	90.2	0.15	0.13	14.4	14.5	0.12	3.66	3.78	23,355
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.52	1.06	10.9	0.03	0.02	2.63	2.64	0.02	0.67	0.68	2,518
Area	2.83	0.05	5.29	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	16.5
Energy	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	1,174
Water	—	—	—	—	—	—	—	—	—	—	81.3
Waste	—	—	—	—	—	—	—	—	—	—	29.9
Refrig.	—	—	—	—	—	—	—	—	—	—	1.53
Stationary	0.10	0.28	0.25	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	45.8
Total	4.45	1.40	16.5	0.03	0.02	2.63	2.65	0.02	0.67	0.69	3,867

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)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	1,448
General Office Building	—	—	—	—	—	—	—	—	—	—	3,130
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	215
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	1,368
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	274
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	563
Total	—	—	—	—	—	—	—	—	—	—	6,998
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	1,448
General Office Building	—	—	—	—	—	—	—	—	—	—	3,130
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	215
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	1,368
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	274

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	563
Total	—	—	—	—	—	—	—	—	—	—	6,998
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	240
General Office Building	—	—	—	—	—	—	—	—	—	—	518
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	35.6
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	227
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	45.4
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	93.3
Total	—	—	—	—	—	—	—	—	—	—	1,159

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)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	1,448
General Office Building	—	—	—	—	—	—	—	—	—	—	3,130

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	215
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	1,368
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	274
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	563
Total	—	—	—	—	—	—	—	—	—	—	6,998
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	1,448
General Office Building	—	—	—	—	—	—	—	—	—	—	3,130
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	215
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	1,368
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	274
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	563
Total	—	—	—	—	—	—	—	—	—	—	6,998
Annual	—	—	—	—	—	—	—	—	—	—	—

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	240
General Office Building	—	—	—	—	—	—	—	—	—	—	518
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	35.6
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	227
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	45.4
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	93.3
Total	—	—	—	—	—	—	—	—	—	—	1,159

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)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	0.08	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	91.1
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00

Other Non-Asphalt Surfaces	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
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.08	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	91.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	0.08	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	91.1
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Other Non-Asphalt Surfaces	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
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.08	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	91.1
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	15.1

Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Other Non-Asphalt Surfaces	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
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	15.1

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)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	0.08	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	91.1
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Other Non-Asphalt Surfaces	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
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.08	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	91.1

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	0.08	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	91.1
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Other Non-Asphalt Surfaces	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
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.08	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	91.1
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
High Turnover (Sit Down Restaurant)	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	15.1
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Other Non-Asphalt Surfaces	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

Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Total	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	15.1

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	10.8	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.04	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	5.41	0.38	42.4	< 0.005	0.05	—	0.05	0.04	—	0.04	146
Total	17.2	0.38	42.4	< 0.005	0.05	—	0.05	0.04	—	0.04	146
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	10.8	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.04	—	—	—	—	—	—	—	—	—	—
Total	11.8	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.96	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.19	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.68	0.05	5.29	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	16.5

Total	2.83	0.05	5.29	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	16.5

4.3.2. Mitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	10.8	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.04	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	5.41	0.38	42.4	< 0.005	0.05	—	0.05	0.04	—	0.04	146
Total	17.2	0.38	42.4	< 0.005	0.05	—	0.05	0.04	—	0.04	146
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	10.8	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.04	—	—	—	—	—	—	—	—	—	—
Total	11.8	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.96	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.19	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.68	0.05	5.29	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	16.5
Total	2.83	0.05	5.29	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	16.5

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	205
General Office Building	—	—	—	—	—	—	—	—	—	—	369
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	18.7
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	20.9
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.69
Total	—	—	—	—	—	—	—	—	—	—	614
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	205
General Office Building	—	—	—	—	—	—	—	—	—	—	369
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	18.7

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	20.9
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.69
Total	—	—	—	—	—	—	—	—	—	—	614
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	33.9
General Office Building	—	—	—	—	—	—	—	—	—	—	61.1
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	3.10
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	3.47
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.11
Total	—	—	—	—	—	—	—	—	—	—	102

4.4.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	164
General Office Building	—	—	—	—	—	—	—	—	—	—	295
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	15.0
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	16.7
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.55
Total	—	—	—	—	—	—	—	—	—	—	491
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	164
General Office Building	—	—	—	—	—	—	—	—	—	—	295
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	15.0
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	16.7

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.55
Total	—	—	—	—	—	—	—	—	—	—	491
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	27.1
General Office Building	—	—	—	—	—	—	—	—	—	—	48.9
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	2.48
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	2.77
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.09
Total	—	—	—	—	—	—	—	—	—	—	81.3

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	390

General Office Building	—	—	—	—	—	—	—	—	—	—	238
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	90.6
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	36.6
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	8.22
Total	—	—	—	—	—	—	—	—	—	—	764
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	390
General Office Building	—	—	—	—	—	—	—	—	—	—	238
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	90.6
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	36.6
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	8.22
Total	—	—	—	—	—	—	—	—	—	—	764

Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	64.6
General Office Building	—	—	—	—	—	—	—	—	—	—	39.5
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	15.0
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	6.07
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	1.36
Total	—	—	—	—	—	—	—	—	—	—	126

4.5.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	92.0
General Office Building	—	—	—	—	—	—	—	—	—	—	56.3
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	21.4

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	8.65
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	1.94
Total	—	—	—	—	—	—	—	—	—	—	180
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	92.0
General Office Building	—	—	—	—	—	—	—	—	—	—	56.3
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	21.4
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	8.65
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	1.94
Total	—	—	—	—	—	—	—	—	—	—	180
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	15.2
General Office Building	—	—	—	—	—	—	—	—	—	—	9.32

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	3.54
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	1.43
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.32
Total	—	—	—	—	—	—	—	—	—	—	29.9

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)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	2.45
General Office Building	—	—	—	—	—	—	—	—	—	—	0.33
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	6.31
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.12
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	9.22

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	2.45
General Office Building	—	—	—	—	—	—	—	—	—	—	0.33
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	6.31
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.12
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	9.22
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.41
General Office Building	—	—	—	—	—	—	—	—	—	—	0.05
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1.05
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.02
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	1.53

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)	—	—	—	—	—	—	—	—	—	—	—

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	2.45
General Office Building	—	—	—	—	—	—	—	—	—	—	0.33
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	6.31
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.12
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	9.22
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	2.45
General Office Building	—	—	—	—	—	—	—	—	—	—	0.33
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	6.31
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.12
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	9.22
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.41
General Office Building	—	—	—	—	—	—	—	—	—	—	0.05
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1.05
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.02

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	1.53

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	0.98	2.75	2.51	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	505
Total	0.98	2.75	2.51	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	505
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.98	2.75	2.51	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	505
Total	0.98	2.75	2.51	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	505
Annual	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.10	0.28	0.25	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	45.8
Total	0.10	0.28	0.25	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	45.8

4.8.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.98	2.75	2.51	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	505

Total	0.98	2.75	2.51	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	505
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.98	2.75	2.51	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	505
Total	0.98	2.75	2.51	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	505
Annual	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.10	0.28	0.25	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	45.8
Total	0.10	0.28	0.25	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	45.8

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	3,077	3,077	3,077	1,123,105	20,516	20,516	20,516	7,488,340

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	3,077	3,077	3,077	1,123,105	20,516	20,516	20,516	7,488,340

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)
693852.075	231,284	253,585	81,023	23,585

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)
Apartments Mid Rise	1,396,788	375	0.0489	0.0069	0.00
General Office Building	3,020,254	375	0.0489	0.0069	0.00
High Turnover (Sit Down Restaurant)	207,263	375	0.0489	0.0069	283,468
Enclosed Parking with Elevator	1,320,056	375	0.0489	0.0069	0.00
Other Non-Asphalt Surfaces	0.00	375	0.0489	0.0069	0.00
Strip Mall	264,858	375	0.0489	0.0069	0.00
Recreational Swimming Pool	543,505	375	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)
Apartments Mid Rise	1,396,788	375	0.0489	0.0069	0.00
General Office Building	3,020,254	375	0.0489	0.0069	0.00
High Turnover (Sit Down Restaurant)	207,263	375	0.0489	0.0069	283,468
Enclosed Parking with Elevator	1,320,056	375	0.0489	0.0069	0.00
Other Non-Asphalt Surfaces	0.00	375	0.0489	0.0069	0.00
Strip Mall	264,858	375	0.0489	0.0069	0.00
Recreational Swimming Pool	543,505	375	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)
Apartments Mid Rise	13,045,830	951,728
General Office Building	24,171,790	0.00
High Turnover (Sit Down Restaurant)	1,225,669	0.00
Enclosed Parking with Elevator	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Strip Mall	1,370,638	0.00
Recreational Swimming Pool	45,245	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	10,436,664	761,383

General Office Building	19,337,432	0.00
High Turnover (Sit Down Restaurant)	980,535	0.00
Enclosed Parking with Elevator	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Strip Mall	1,096,510	0.00
Recreational Swimming Pool	36,196	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	207	—
General Office Building	126	—
High Turnover (Sit Down Restaurant)	48.1	—
Enclosed Parking with Elevator	0.00	—
Other Non-Asphalt Surfaces	0.00	—
Strip Mall	19.4	—
Recreational Swimming Pool	4.36	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	48.8	—
General Office Building	29.8	—
High Turnover (Sit Down Restaurant)	11.3	—
Enclosed Parking with Elevator	0.00	—
Other Non-Asphalt Surfaces	0.00	—
Strip Mall	4.59	—

Recreational Swimming Pool	1.03	—

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
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
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
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
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
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
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
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
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

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

5.15.2. Mitigated

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

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	1.00	1.00	200	300	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)

5.17. User Defined

Equipment Type	Fuel Type

8. User Changes to Default Data

Screen	Justification
Land Use	Site Specific
Construction: Construction Phases	Site Specific - see construction assumptions
Construction: Off-Road Equipment	Site Specific - see construction assumptions
Construction: Trips and VMT	Site Specific - see construction assumptions

Characteristics: Utility Information	SB 100
Operations: Hearths	No Hearths
Operations: Energy Use	All Electric Building - Restaurant Cooking Exempt
Operations: Generators + Pumps EF	SCAQMD Rule 1470

6000 Hollywood - Operations (No MXD or PDFs) Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	6000 Hollywood - Operations (No MXD or PDFs)
Operational Year	2029
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	16.8
Location	6000 Hollywood Blvd, Los Angeles, CA 90028, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4352
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.22

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
Apartments Mid Rise	350	Dwelling Unit	3.75	342,643	55,523	—	828	—

General Office Building	136	1000sqft	0.00	136,000	0.00	—	—	—
High Turnover (Sit Down Restaurant)	4.04	1000sqft	0.00	4,038	0.00	—	—	—
Enclosed Parking with Elevator	894	Space	8.05	357,600	0.00	—	—	—
Other Non-Asphalt Surfaces	42.6	1000sqft	0.98	0.00	0.00	—	—	—
Strip Mall	18.5	1000sqft	0.00	18,504	0.00	—	—	—
Recreational Swimming Pool	0.77	1000sqft	0.02	765	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
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.	31.2	13.3	141	0.25	0.37	21.9	22.3	0.34	5.57	5.92	33,549
Mit.	31.2	13.3	141	0.25	0.37	21.9	22.3	0.34	5.57	5.92	32,843
% Reduced	—	—	—	—	—	—	—	—	—	—	2%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Unmit.	25.7	13.7	92.4	0.24	0.32	21.9	22.3	0.31	5.57	5.88	32,412
Mit.	25.7	13.7	92.4	0.24	0.32	21.9	22.3	0.31	5.57	5.88	31,705
% Reduced	—	—	—	—	—	—	—	—	—	—	2%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	28.8	12.8	122	0.24	0.35	21.7	22.0	0.33	5.51	5.84	32,563
Mit.	28.8	12.8	122	0.24	0.35	21.7	22.0	0.33	5.51	5.84	31,856
% Reduced	—	—	—	—	—	—	—	—	—	—	2%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.26	2.33	22.3	0.04	0.06	3.96	4.02	0.06	1.01	1.07	5,391
Mit.	5.26	2.33	22.3	0.04	0.06	3.96	4.02	0.06	1.01	1.07	5,274
% 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	12.9	7.99	94.3	0.23	0.13	21.9	22.1	0.12	5.57	5.70	23,651
Area	17.2	0.38	42.4	< 0.005	0.05	—	0.05	0.04	—	0.04	146
Energy	0.12	2.21	1.49	0.01	0.17	—	0.17	0.17	—	0.17	7,860
Water	—	—	—	—	—	—	—	—	—	—	614
Waste	—	—	—	—	—	—	—	—	—	—	764
Refrig.	—	—	—	—	—	—	—	—	—	—	9.22
Stationary	0.98	2.75	2.51	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	505
Total	31.2	13.3	141	0.25	0.37	21.9	22.3	0.34	5.57	5.92	33,549
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—

Mobile	12.8	8.73	88.4	0.22	0.13	21.9	22.1	0.13	5.57	5.70	22,659
Area	11.8	—	—	—	—	—	—	—	—	—	—
Energy	0.12	2.21	1.49	0.01	0.17	—	0.17	0.17	—	0.17	7,860
Water	—	—	—	—	—	—	—	—	—	—	614
Waste	—	—	—	—	—	—	—	—	—	—	764
Refrig.	—	—	—	—	—	—	—	—	—	—	9.22
Stationary	0.98	2.75	2.51	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	505
Total	25.7	13.7	92.4	0.24	0.32	21.9	22.3	0.31	5.57	5.88	32,412
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	12.7	8.78	90.3	0.22	0.13	21.7	21.8	0.13	5.51	5.64	22,939
Area	15.5	0.26	29.0	< 0.005	0.03	—	0.03	0.03	—	0.03	99.9
Energy	0.12	2.21	1.49	0.01	0.17	—	0.17	0.17	—	0.17	7,860
Water	—	—	—	—	—	—	—	—	—	—	614
Waste	—	—	—	—	—	—	—	—	—	—	764
Refrig.	—	—	—	—	—	—	—	—	—	—	9.22
Stationary	0.54	1.51	1.38	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	277
Total	28.8	12.8	122	0.24	0.35	21.7	22.0	0.33	5.51	5.84	32,563
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.31	1.60	16.5	0.04	0.02	3.96	3.99	0.02	1.01	1.03	3,798
Area	2.83	0.05	5.29	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	16.5
Energy	0.02	0.40	0.27	< 0.005	0.03	—	0.03	0.03	—	0.03	1,301
Water	—	—	—	—	—	—	—	—	—	—	102
Waste	—	—	—	—	—	—	—	—	—	—	126
Refrig.	—	—	—	—	—	—	—	—	—	—	1.53
Stationary	0.10	0.28	0.25	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	45.8
Total	5.26	2.33	22.3	0.04	0.06	3.96	4.02	0.06	1.01	1.07	5,391

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	12.9	7.99	94.3	0.23	0.13	21.9	22.1	0.12	5.57	5.70	23,651
Area	17.2	0.38	42.4	< 0.005	0.05	—	0.05	0.04	—	0.04	146
Energy	0.12	2.21	1.49	0.01	0.17	—	0.17	0.17	—	0.17	7,860
Water	—	—	—	—	—	—	—	—	—	—	491
Waste	—	—	—	—	—	—	—	—	—	—	180
Refrig.	—	—	—	—	—	—	—	—	—	—	9.22
Stationary	0.98	2.75	2.51	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	505
Total	31.2	13.3	141	0.25	0.37	21.9	22.3	0.34	5.57	5.92	32,843
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Mobile	12.8	8.73	88.4	0.22	0.13	21.9	22.1	0.13	5.57	5.70	22,659
Area	11.8	—	—	—	—	—	—	—	—	—	—
Energy	0.12	2.21	1.49	0.01	0.17	—	0.17	0.17	—	0.17	7,860
Water	—	—	—	—	—	—	—	—	—	—	491
Waste	—	—	—	—	—	—	—	—	—	—	180
Refrig.	—	—	—	—	—	—	—	—	—	—	9.22
Stationary	0.98	2.75	2.51	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	505
Total	25.7	13.7	92.4	0.24	0.32	21.9	22.3	0.31	5.57	5.88	31,705
Average Daily	—	—	—	—	—	—	—	—	—	—	—
Mobile	12.7	8.78	90.3	0.22	0.13	21.7	21.8	0.13	5.51	5.64	22,939
Area	15.5	0.26	29.0	< 0.005	0.03	—	0.03	0.03	—	0.03	99.9
Energy	0.12	2.21	1.49	0.01	0.17	—	0.17	0.17	—	0.17	7,860
Water	—	—	—	—	—	—	—	—	—	—	491

Waste	—	—	—	—	—	—	—	—	—	—	180
Refrig.	—	—	—	—	—	—	—	—	—	—	9.22
Stationary	0.54	1.51	1.38	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	277
Total	28.8	12.8	122	0.24	0.35	21.7	22.0	0.33	5.51	5.84	31,856
Annual	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.31	1.60	16.5	0.04	0.02	3.96	3.99	0.02	1.01	1.03	3,798
Area	2.83	0.05	5.29	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	16.5
Energy	0.02	0.40	0.27	< 0.005	0.03	—	0.03	0.03	—	0.03	1,301
Water	—	—	—	—	—	—	—	—	—	—	81.3
Waste	—	—	—	—	—	—	—	—	—	—	29.9
Refrig.	—	—	—	—	—	—	—	—	—	—	1.53
Stationary	0.10	0.28	0.25	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	45.8
Total	5.26	2.33	22.3	0.04	0.06	3.96	4.02	0.06	1.01	1.07	5,274

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)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	1,191
General Office Building	—	—	—	—	—	—	—	—	—	—	2,245
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	136
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	1,368
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	191
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	18.6
Total	—	—	—	—	—	—	—	—	—	—	5,150
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	1,191
General Office Building	—	—	—	—	—	—	—	—	—	—	2,245
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	136
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	1,368
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	191

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	18.6
Total	—	—	—	—	—	—	—	—	—	—	5,150
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	197
General Office Building	—	—	—	—	—	—	—	—	—	—	372
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	22.6
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	227
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	31.6
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	3.07
Total	—	—	—	—	—	—	—	—	—	—	853

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)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	1,191
General Office Building	—	—	—	—	—	—	—	—	—	—	2,245

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	136
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	1,368
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	191
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	18.6
Total	—	—	—	—	—	—	—	—	—	—	5,150
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	1,191
General Office Building	—	—	—	—	—	—	—	—	—	—	2,245
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	136
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	1,368
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	191
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	18.6
Total	—	—	—	—	—	—	—	—	—	—	5,150
Annual	—	—	—	—	—	—	—	—	—	—	—

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	197
General Office Building	—	—	—	—	—	—	—	—	—	—	372
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	22.6
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	227
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	31.6
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	3.07
Total	—	—	—	—	—	—	—	—	—	—	853

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)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.05	0.88	0.37	0.01	0.07	—	0.07	0.07	—	0.07	1,116
General Office Building	0.04	0.73	0.62	< 0.005	0.06	—	0.06	0.06	—	0.06	878
High Turnover (Sit Down Restaurant)	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	123
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00

Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	29.3
Recreational Swimming Pool	0.03	0.47	0.40	< 0.005	0.04	—	0.04	0.04	—	0.04	563
Total	0.12	2.21	1.49	0.01	0.17	—	0.17	0.17	—	0.17	2,710
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.05	0.88	0.37	0.01	0.07	—	0.07	0.07	—	0.07	1,116
General Office Building	0.04	0.73	0.62	< 0.005	0.06	—	0.06	0.06	—	0.06	878
High Turnover (Sit Down Restaurant)	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	123
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	29.3
Recreational Swimming Pool	0.03	0.47	0.40	< 0.005	0.04	—	0.04	0.04	—	0.04	563
Total	0.12	2.21	1.49	0.01	0.17	—	0.17	0.17	—	0.17	2,710
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.01	0.16	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	185
General Office Building	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	145
High Turnover (Sit Down Restaurant)	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	20.4

Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4.85
Recreational Swimming Pool	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	93.2
Total	0.02	0.40	0.27	< 0.005	0.03	—	0.03	0.03	—	0.03	449

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)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.05	0.88	0.37	0.01	0.07	—	0.07	0.07	—	0.07	1,116
General Office Building	0.04	0.73	0.62	< 0.005	0.06	—	0.06	0.06	—	0.06	878
High Turnover (Sit Down Restaurant)	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	123
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	29.3
Recreational Swimming Pool	0.03	0.47	0.40	< 0.005	0.04	—	0.04	0.04	—	0.04	563
Total	0.12	2.21	1.49	0.01	0.17	—	0.17	0.17	—	0.17	2,710

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.05	0.88	0.37	0.01	0.07	—	0.07	0.07	—	0.07	1,116
General Office Building	0.04	0.73	0.62	< 0.005	0.06	—	0.06	0.06	—	0.06	878
High Turnover (Sit Down Restaurant)	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	123
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	29.3
Recreational Swimming Pool	0.03	0.47	0.40	< 0.005	0.04	—	0.04	0.04	—	0.04	563
Total	0.12	2.21	1.49	0.01	0.17	—	0.17	0.17	—	0.17	2,710
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.01	0.16	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	185
General Office Building	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	145
High Turnover (Sit Down Restaurant)	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	20.4
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00
Strip Mall	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	4.85

Recreational Swimming Pool	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	93.2
Total	0.02	0.40	0.27	< 0.005	0.03	—	0.03	0.03	—	0.03	449

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	10.8	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.04	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	5.41	0.38	42.4	< 0.005	0.05	—	0.05	0.04	—	0.04	146
Total	17.2	0.38	42.4	< 0.005	0.05	—	0.05	0.04	—	0.04	146
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	10.8	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.04	—	—	—	—	—	—	—	—	—	—
Total	11.8	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.96	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.19	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.68	0.05	5.29	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	16.5

Total	2.83	0.05	5.29	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	16.5

4.3.2. Mitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	10.8	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.04	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	5.41	0.38	42.4	< 0.005	0.05	—	0.05	0.04	—	0.04	146
Total	17.2	0.38	42.4	< 0.005	0.05	—	0.05	0.04	—	0.04	146
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	10.8	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.04	—	—	—	—	—	—	—	—	—	—
Total	11.8	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	1.96	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.19	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.68	0.05	5.29	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	16.5
Total	2.83	0.05	5.29	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	16.5

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	205
General Office Building	—	—	—	—	—	—	—	—	—	—	369
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	18.7
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	20.9
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.69
Total	—	—	—	—	—	—	—	—	—	—	614
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	205
General Office Building	—	—	—	—	—	—	—	—	—	—	369
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	18.7

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	20.9
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.69
Total	—	—	—	—	—	—	—	—	—	—	614
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	33.9
General Office Building	—	—	—	—	—	—	—	—	—	—	61.1
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	3.10
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	3.47
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.11
Total	—	—	—	—	—	—	—	—	—	—	102

4.4.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	164
General Office Building	—	—	—	—	—	—	—	—	—	—	295
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	15.0
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	16.7
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.55
Total	—	—	—	—	—	—	—	—	—	—	491
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	164
General Office Building	—	—	—	—	—	—	—	—	—	—	295
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	15.0
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	16.7

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.55
Total	—	—	—	—	—	—	—	—	—	—	491
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	27.1
General Office Building	—	—	—	—	—	—	—	—	—	—	48.9
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	2.48
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	2.77
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.09
Total	—	—	—	—	—	—	—	—	—	—	81.3

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	390

General Office Building	—	—	—	—	—	—	—	—	—	—	238
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	90.6
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	36.6
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	8.22
Total	—	—	—	—	—	—	—	—	—	—	764
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	390
General Office Building	—	—	—	—	—	—	—	—	—	—	238
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	90.6
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	36.6
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	8.22
Total	—	—	—	—	—	—	—	—	—	—	764

Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	64.6
General Office Building	—	—	—	—	—	—	—	—	—	—	39.5
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	15.0
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	6.07
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	1.36
Total	—	—	—	—	—	—	—	—	—	—	126

4.5.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	92.0
General Office Building	—	—	—	—	—	—	—	—	—	—	56.3
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	21.4

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	8.65
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	1.94
Total	—	—	—	—	—	—	—	—	—	—	180
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	92.0
General Office Building	—	—	—	—	—	—	—	—	—	—	56.3
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	21.4
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	8.65
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	1.94
Total	—	—	—	—	—	—	—	—	—	—	180
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	15.2
General Office Building	—	—	—	—	—	—	—	—	—	—	9.32

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	3.54
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	1.43
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	0.32
Total	—	—	—	—	—	—	—	—	—	—	29.9

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)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	2.45
General Office Building	—	—	—	—	—	—	—	—	—	—	0.33
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	6.31
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.12
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	9.22

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	2.45
General Office Building	—	—	—	—	—	—	—	—	—	—	0.33
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	6.31
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.12
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	9.22
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.41
General Office Building	—	—	—	—	—	—	—	—	—	—	0.05
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1.05
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.02
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	1.53

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)	—	—	—	—	—	—	—	—	—	—	—

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	2.45
General Office Building	—	—	—	—	—	—	—	—	—	—	0.33
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	6.31
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.12
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	9.22
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	2.45
General Office Building	—	—	—	—	—	—	—	—	—	—	0.33
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	6.31
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.12
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	9.22
Annual	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	0.41
General Office Building	—	—	—	—	—	—	—	—	—	—	0.05
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	1.05
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.02

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	1.53

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	0.98	2.75	2.51	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	505
Total	0.98	2.75	2.51	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	505
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.98	2.75	2.51	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	505
Total	0.98	2.75	2.51	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	505
Annual	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.10	0.28	0.25	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	45.8
Total	0.10	0.28	0.25	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	45.8

4.8.2. Mitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.98	2.75	2.51	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	505

Total	0.98	2.75	2.51	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	505
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.98	2.75	2.51	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	505
Total	0.98	2.75	2.51	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	505
Annual	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.10	0.28	0.25	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	45.8
Total	0.10	0.28	0.25	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	45.8

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	4,689	4,689	4,689	1,711,485	30,932	30,932	30,932	11,290,180

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	4,689	4,689	4,689	1,711,485	30,932	30,932	30,932	11,290,180

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)
693852.075	231,284	253,585	81,023	23,585

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)
Apartments Mid Rise	1,149,223	375	0.0489	0.0069	3,473,876
General Office Building	2,166,310	375	0.0489	0.0069	2,732,493
High Turnover (Sit Down Restaurant)	131,518	375	0.0489	0.0069	382,518
Enclosed Parking with Elevator	1,320,056	375	0.0489	0.0069	0.00
Other Non-Asphalt Surfaces	0.00	375	0.0489	0.0069	0.00
Strip Mall	184,236	375	0.0489	0.0069	91,116
Recreational Swimming Pool	17,905	375	0.0489	0.0069	1,752,000

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)
Apartments Mid Rise	1,149,223	375	0.0489	0.0069	3,473,876
General Office Building	2,166,310	375	0.0489	0.0069	2,732,493
High Turnover (Sit Down Restaurant)	131,518	375	0.0489	0.0069	382,518
Enclosed Parking with Elevator	1,320,056	375	0.0489	0.0069	0.00
Other Non-Asphalt Surfaces	0.00	375	0.0489	0.0069	0.00
Strip Mall	184,236	375	0.0489	0.0069	91,116
Recreational Swimming Pool	17,905	375	0.0489	0.0069	1,752,000

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	13,045,830	951,728
General Office Building	24,171,790	0.00
High Turnover (Sit Down Restaurant)	1,225,669	0.00
Enclosed Parking with Elevator	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Strip Mall	1,370,638	0.00
Recreational Swimming Pool	45,245	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	10,436,664	761,383

General Office Building	19,337,432	0.00
High Turnover (Sit Down Restaurant)	980,535	0.00
Enclosed Parking with Elevator	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Strip Mall	1,096,510	0.00
Recreational Swimming Pool	36,196	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	207	—
General Office Building	126	—
High Turnover (Sit Down Restaurant)	48.1	—
Enclosed Parking with Elevator	0.00	—
Other Non-Asphalt Surfaces	0.00	—
Strip Mall	19.4	—
Recreational Swimming Pool	4.36	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	48.8	—
General Office Building	29.8	—
High Turnover (Sit Down Restaurant)	11.3	—
Enclosed Parking with Elevator	0.00	—
Other Non-Asphalt Surfaces	0.00	—
Strip Mall	4.59	—

Recreational Swimming Pool	1.03	—

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
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
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
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
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
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
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
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
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

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

5.15.2. Mitigated

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

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	1.00	1.00	200	300	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)

5.17. User Defined

Equipment Type	Fuel Type

8. User Changes to Default Data

Screen	Justification
Land Use	Site Specific
Construction: Construction Phases	Site Specific - see construction assumptions
Construction: Off-Road Equipment	Site Specific - see construction assumptions
Construction: Trips and VMT	Site Specific - see construction assumptions

Characteristics: Utility Information	SB 100
Operations: Hearths	No Hearths
Operations: Energy Use	Electricity for swimming pool
Operations: Generators + Pumps EF	SCAQMD Rule 1470